The Cooperation Council For the
Arab States of the Gulf
The Secretariat General
GCC Patent Office

Patent Gazette

Patents GC 0001480- GC 0001626

Sixteenth Issue

02 Thul-Quada 1432 H - 30 September 2011 AD

أ ت/ ز
13 PG
The Cooperation Council for the Arab States Of the Gulf.
Secretariat General. GCC Patent Office
Patent Gazette: Vol. 16,(30 September 2011).
- Riyadh: Secretariat Generak,2011.
246EP-249Ap.27cm.
293-091-/B/G/P/2011.
Invention/Patents/Industrial Research/Technological/Innovation/Pamphlets/
Industrial Property/Intellectual Property/GCC Countries

GCC Patent Gazette

An official gazette periodically published by the GCC Patent Office and concerns with matters relating to patents

Prices

Individuals: 15 Saudi Riyals per one issue.
Entities, such as Establishments, Organizations, Companies, legal offices, and professionals: 30 Saudi Riyals per one issue.
An authentic check shall prepay the price of required issues. For obtaining the gazette, write to:

Patent Gazette

GCC Patent Office
P.O. Box 340227 Riyadh 11333
Kingdom of Saudi Arabia

- Once payments have been received, the office shall send the gazette by registered mail.
- For government bodies, the office shall send the gazette through registered mail.
-Electronic copy of this Gazette is available at the website of the GCC patent Office:
www.gccpo.org

Contents

Introduction

The "Patent Gazette" issued by the Patent Office of the Cooperation Council for the Arab States of the Gulf concerns with publishing disclosures set forth in the GCC Patent Regulation and its Implementing Bylaws. The disclosures are represented by the data and information related to patent applications and patents with the Office for the period covered. This issue; (Issue # 16) of the Gazette comes in view of growth of the Office functions to cover Office activities relating to applications and patents during the period 01/01/2011 to 30/06/2011 , In addition to activities that were not published previously. This issue includes the following:

1) A list of granted patents.
2) The front pages of the granted patents.
3) A list of lapsed patent applications.
4) A list of rejected patent applications.
5) Alist of patent applications and patent with change of ownership.
6) A list of withdrawal patent applications.
7) A list of withdrawal Administrative Decisions .
8)Rectifications.

This issue will include the publication of granting of (147) patents by the Office after satisfying the conditions of grants and payment of grant and publication fees thereof.

Documents of (186) patents published in the previous issue were handed over to their owners as no concerned parties objected to the grant of any.

The Regulation allows any concerned individual having any objection to the grant of any patent published in this issue to submit within 3 months an appeal to the Grievances Committee in accordance with the
procedures set forth in the Implementing Bylaws at the following address:

Secretary of the Grievances Committee
Patent Office of the Cooperation Council for the Arab States of the Gulf
The Secretariat General of the Cooperation Council for the Arab

States of the Gulf
P.O. Box 340227, Riyadh 11333, Saudi Arabia
Tel: +96614827777, Ext. 1026
Fax: +96614809768
Email: grievance@ gccsg.org

Paper copies of this Gazette can be obtained from Patent Office of the Cooperation Council for the Arab States of the Gulf and electronic copies, however, are available at the website of the GCC Patent Office: www.gccpo.org

The Secretariat General of the Cooperation Council
for the Arab States of the Gulf (GCC)
GCC Patent Office

About the GCC Patent Office

The GCC Patent Office is a regional office that receives patent applications in the member states of the Gulf Cooperation Council, which are: The United Arab Emirates, Kingdom of Bahrain, Kingdom of Saudi Arabia, Sultanate of Oman, State of Qatar, and State of Kuwait to obtain patents and protection of inventions in the said countries.

The Office grants patents for applications filed, provided they fulfill the conditions .stipulated in the GCC Patent Regulation and its Implementing Bylaws

Patents granted by the Office shall be valid in all GCC Member States, and shall need no further processing in any GCC Member State.

The GCC Patent Regulation prohibits infringement of patents granted by the Office. Such infringement shall be subject to criminal or civil responsibility, or both as per the laws and regulations of each GCC State.

For more information, the office may be contacted at:

Tel.: (009661) 4820136, 4820260
Fax: (009661) 4829600
E-mail: gccpatent@gccsg.org
Website: www.gccpo.org

A list of Granted Patents

List of Granted Patents

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
1	GCC/P/ 2006 / 7490	Method For Surface Crosslinking Water-Absorbing Resin And Method For Manufacturing Water-Absorbing Resin	GC 0001480	27/08/2010	28
2	GCC/P/ 2006 / 6057	Shelf-Stable Cold-Processed Food Compositions And Methods For Their Preparation	GC 0001481	03/09/2010	29
3	GCC/P/ 2004 / 3818	Method For Preparing An Extract From Ivy Leaves	GC 0001482	09/11/2010	30
4	GCC/P/ 2006 / 7190	Methods For Producing Binding Material Containing Modified Sulfur And Material Containing Modified Sulfur	GC 0001483	09/11/2010	31
5	GCC/P/ 2007 / 8072	2,6-Substituted-4-Monosubstituted Amino-Pyrimidine As Prostaglandin D2 Receptor Antagonists	GC 0001484	09/11/2010	32
6	GCC/P/ 2004 / 4177	Method For Controlling Sheeting In Gasphase Reactors	GC 0001485	30/01/2011	33
7	GCC/P/ 2005 / 4792	Methods For Producing Polymers With Control Over Composition Distribution	GC 0001486	27/02/2011	34
8	GCC/P/ 2007 / 7901	Electrical Equipment With Reconfigurable Frontal Portion	GC 0001487	29/11/2010	35
9	GCC/P/ 2005 / 5561	Switch With Display And Switch Device	GC 0001488	25/12/2010	36
10	GCC/P/ 2005 / 4778	Scalable Capacity Liquefied Natural Gas Plant	GC 0001489	27/02/2011	37
11	GCC/P/ 2007 / 8178	Production Of Expoert Steam In Steam Reformers	GC 0001490	10/03/2011	38

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
12	GCC/P/ 2006 / 7135	Multimodal Polyethylene Compositions And Pipe Made From Same	GC 0001491	27/03/2011	39
13	GCC/P/ 2005 / 5002	Process For Producing Phenol And Methyl Ethyl Ketone	GC 0001492	27/03/2011	40
14	GCC/P/ 2002 / 2160	Chain Growth Reaction Process	GC 0001493	27/03/2011	41
15	GCC/P/ 2006 / 6126	Production Of Polymers In A Fully Conical Reactor	GC 0001494	22/01/2011	42
16	GCC/P/ 2005 / 4351	Low Pressure Olefin Recovery Process	GC 0001495	22/01/2011	43
17	GCC/P/ 2005 / 4352	Method For Controlling The Polymer Flow In A Polymerization Process	GC 0001496	22/01/2011	44
18	GCC/P/ 2005 / 4242	Dual Metallocene Catalyst For Producing Film Resins With Good Machine Direction Md Elmendorf Tear Strength	GC 0001497	27/03/2011	45
19	GCC/P/ 2006 / 5805	Method And Apparatus For True Relative Amplitude Correction Of Seismic Data For Normal Moveout Stretch Effects	GC 0001498	10/03/2011	46
20	GCC/P/ 2005 / 5250	Improved Method For Producing An Aromatic Polycarbonate	GC 0001499	22/01/2011	47
21	GCC/P/ 2002 / 2170	Method Of Removing Dimethyl Ether From An Olefin Stream	GC 0001500	27/03/2011	48
22	GCC/P/ 2003 / 2966	Multiple Riser Reactor With Centralized Catalyst Return	GC 0001501	27/03/2011	49
23	GCC/P/ 2005 / 4950	Conversion Of Oxygenates To Olefins	GC 0001502	27/03/2011	50
24	GCC/P/ 2003 / 3059	Treating Oxygenate Containing Feedstreams In The Conversion Of Oxygenates To Olefins	GC 0001503	27/03/2011	51

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
25	GCC/P/ 2003 / 2458	Treatment Of Acid Catalysts	GC 0001504	27/03/2011	52
26	GCC/P/ 2002 / 2172	Process Of Removing Contaminants From An Olefin Stream Using Extractive Distillation	GC 0001505	27/03/2011	53
27	GCC/P/ 99 / 141	Production Of Unsaturated Acids Or Esters Thereof And Catalysts Therefor	GC 0001506	21/02/2011	54
28	GCC/P/ 2006 / 6763	Low Power Ultrasonic Flow Measurement	GC 0001507	20/03/2011	55
29	GCC/P/ 2003 / 2872	Cathepsin Cysteine Protease Inhibitors	GC 0001508	27/03/2011	56
30	GCC/P/ 2007 / 7745	Method And Apparatus For The Production Of Polarization Holograms	GC 0001509	11/03/2011	57
31	GCC/P/ 2006 / 6075	Layered Composition And Processes For Preparing And Using The Composition	GC 0001510	07/02/2011	58
32	GCC/P/ 2002 / 1994	Tartrate Salts Of 5,8,14-Triazatetracyclo[10.3.1.02,11.04,9]-Hexadeca-211,3,5,7,9-Pentaene And Pharmaceutical Compositions Thereof	GC 0001511	27/03/2011	59
33	GCC/P/ 2004 / 3846	Tropnae Derivatives	GC 0001512	27/03/2011	60
34	GCC/P/ 2005 / 4858	Cetp Inhibitors	GC 0001513	27/03/2011	61
35	GCC/P/ 2005 / 4531	Anti-P-Selectin Antibodies	GC 0001514	27/03/2011	62
36	GCC/P/ 2005 / 5124	Method For Producing A Dialkyl Carbonate And A Diol	GC 0001515	27/03/2011	63
37	GCC/P/ 2005 / 5074	Enantiomerically Pure Aminoheteroaryl Compounds As Protein Kinase Inhibitors	GC 0001516	27/03/2011	64

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
38	GCC/P/ 2005 / 4717	Preparation Of Acrolein Or Acrylic Acid Or A Mixture Thereof From Propane	GC 0001517	27/03/2011	65
39	GCC/P/ 2005 / 4649	Preparation Of Acrylic Acid By Heterogeneously Catalyzed Partial Gas Phase Oxidation Of Propylene	GC 0001518	11/03/2011	66
40	GCC/P/ 2005 / 4935	Industrial Process For Producting An Aromatic Carbonate	GC 0001519	27/03/2011	67
41	GCC/P/ 2007 / 7579	Industrial Process For Production Of High-Purity Diol	GC 0001520	27/03/2011	68
42	GCC/P/ 2006 / 7392	Process For Upgrading Heavy Oil Using A Highly Active Slurry Catalyst Composition	GC 0001521	10/03/2011	69
43	GCC/P/ 2007 / 7734	Benzamide And Heteroarene Derivatives	GC 0001522	27/03/2011	70
44	GCC/P/ 2005 / 4510	Substituted Diaza-Spiro-[5.5]-Undecane Derivatives And Their Use As Neurokinin Antagonists	GC 0001523	27/03/2011	71
45	GCC/P/ 2003 / 2796	Mycobacterial Inhibitors	GC 0001524	27/03/2011	72
46	GCC/P/ 2002 / 2123	The Use Of Nk-1 Receptor Antagonists For The Treatment Of Brain, Spinal Or Nerve Injury	GC 0001525	27/03/2011	73
47	GCC/P/ 2005 / 4432	Imidazole Compounds For The Treatment Of Neurodegenerative Disorders	GC 0001526	27/03/2011	74
48	GCC/P/ 2007 / 7906	An Assembly For Cutting Into A Well Tubular	GC 0001527	11/03/2011	75

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
49	GCC/P/ 2007 / 9241	Baffle System For Blank Molds Of A Glassware Forming Machine	GC 0001528	11/03/2011	76
50	GCC/P/ 2007 / 8889	Crystal Forms Of Epothilone B And Their Usage In The Production Pf Pharmaceutical Compositions	GC 0001529	27/03/2011	77
51	GCC/P/ 2007 / 7662	Indole Sulfonamide Modulators Of Progesterone Receptors	GC 0001530	27/03/2011	78
52	GCC/P/ 2005 / 4657	A Process For The Preparation Of An Ethylene Copolymer	GC 0001531	27/02/2011	79
53	GCC/P/ 2005 / 4672	Cooling Water Plant For A Natural Gas Conversion Complex	GC 0001532	27/02/2011	80
54	GCC/P/ 2005 / 4786	Lng System With Enhanced Turboexpander Configuration	GC 0001533	27/02/2011	81
55	GCC/P/ 2007 / 7578	Laminate Of Thermoplastic Polymer Composition Having Low Air Permeability And Pneumatic Tire Using Same As Inner Liner	GC 0001534	27/03/2011	82
56	GCC/P/ 2006 / 6213	Nanometer Scale Restructuring Of Alumina Carrier Surface And Catalysts For The Production Of Alkene Oxides	GC 0001535	26/03/2011	83
57	GCC/P/ 2006 / 6046	Method And Apparatus For An Improved Formation Density Indicator Using Pulsed Neutron Instruments	GC 0001536	10/03/2011	84

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
58	GCC/P/ 2006 / 6678	Alert System Against The Presence Of Children In A Place Where They Should Not Be Alone	GC 0001537	10/03/2011	85
59	GCC/P/ 2006 / 5959	Stable Method Snd Apparatus For Solving S-Shaped Non-Linear Functions Utilizing Modified Newton-Raphson Algorithms	GC 0001538	20/03/2011	86
60	GCC/P/ 2001 / 1381	Smoking Article Packaging	GC 0001539	12/03/2011	87
61	GCC/P/ 2002 / 2154	Cigarette Filter	GC 0001540	12/03/2011	88
62	GCC/P/ 2002 / 2388	A Novel Fluid System Having Controllable Reversible Viscosity	GC 0001541	12/03/2011	89
63	GCC/P/ 2004 / 3713	Radio Network Communication System And Protocol Using An Automatic Repeater	GC 0001542	10/03/2011	90
64	GCC/P/ 2005 / 5068	Method System And Program Storage Device For Automatically Calculating And Displaying Time And Cost Data In A Well Planning System Using A Monte Carlo Simulation Software	GC 0001543	10/03/2011	91
65	GCC/P/ 2005 / 5395	Method Of Sealing An Annular Space In A Wellbore	GC 0001544	10/03/2011	92
66	GCC/P/ 2005 / 5490	Adapting A Tubular Element In A Wellbore To Accommodate Formation Compaction	GC 0001545	10/03/2011	93
67	GCC/P/ 2005 / 5520	System For Completing Multiple Well Intervals	GC 0001546	10/03/2011	94
68	GCC/P/ 2006 / 5951	A Lock And Key System With Extra Code Combinations	GC 0001547	12/03/2011	95

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
69	GCC/P/ 2006 / 6728	Method For Characterizing Shear Wave Formationanisotropy	GC 0001548	10/03/2011	96
70	GCC/P/ 2006 / 6849	Slurry Spreader For Cementitious Board Production	GC 0001549	10/03/2011	97
71	GCC/P/ 2006 / 7416	Immunoglobulins	GC 0001550	10/03/2011	98
72	GCC/P/ 2006 / 7454	System And Method For Separating A Fluid Stream	GC 0001551	10/03/2011	99
73	GCC/P/ 2007 / 7675	Positive Displacement Motor / Progressive Cavity Pump	GC 0001552	12/03/2011	100
74	GCC/P/ 2007 / 7811	Method For Disposal Of Di-Sulphide Compounds	GC 0001553	10/03/2011	101
75	GCC/P/ 2007 / 8041	Re-Closable Pouring Element For Liquid Foods Packaged In Cardboard/ Plastic Composite Packages	GC 0001554	12/03/2011	102
76	GCC/P/ 2007 / 8042	Re-Closable Pouring Element For Liquid Foods Packaged In Cardboard/ Plastic Composite Packages	GC 0001555	12/03/2011	103
77	GCC/P/ 2007 / 8162	Storage Case	GC 0001556	12/03/2011	104
78	GCC/P/ 2007 / 7916	Method And Apparatus For Stabilising Strip During Winding	GC 0001557	12/03/2011	105
79	GCC/P/ 2007 / 8221	Process For Preparing Liquid Hydrocarbons	GC 0001558	10/03/2011	106
80	GCC/P/ 2007 / 8349	Systems And Methods For Producing Oil And/ Or Gas	GC 0001559	10/03/2011	107
81	GCC/P/ 2007 / 8329	Process For The Production Of Pressurised Oxygen And Nitrogen By Cryogenic Distillation Of Air	GC 0001560	10/03/2011	108
82	GCC/P/ 2007 / 9480	Multistage Process For The Polymerization Of Olefins	GC 0001561	10/03/2011	109

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
83	GCC/P/ 2007 / 9819	Process For Regenerating Catalyst For A Hydrocarbon Conversion Zone	GC 0001562	10/03/2011	110
84	GCC/P/ 2003 / 2491	Process For Starting Up A Fischer-Tropsch Reactor	GC 0001563	20/03/2011	111
85	GCC/P/ 2006 / 6522	Protection Of Solid Acid Catalysts From Damage By Volatile Species	GC 0001564	20/03/2011	112
86	GCC/P/ 2007 / 8398	Polyolefin Powder	GC 0001565	28/03/2011	113
87	GCC/P/ 2007 / 8485	Glycol Separation And Purification	GC 0001566	20/03/2011	114
88	GCC/P/ 2002 / 1880	Method For Carrying Out Chemical Reactions In The Pseudo-Isothermal Conditions	GC 0001567	28/03/2011	115
89	GCC/P/ 2002 / 2125	Method For The Preparation Of Escitalopram	GC 0001568	28/03/2011	116
90	GCC/P/ 2002 / 2251	Phenyl-Piperazine Derivatives As Serotonin Reuptake Inhibitors	GC 0001569	28/03/2011	117
91	GCC/P/ 2003 / 2786	Method For Carrying Out Chemical Reactions In Pseudo-Isothermal Conditions	GC 0001570	28/03/2011	118
92	GCC/P/ 2004 / 3456	Dietary Supplement And Method For The Treatment And Prevention Of Digestive Tract Ulcers In Equines And Other Animals	GC 0001571	28/03/2011	119
93	GCC/P/ 2004 / 4002	] Improved Fuel Staging Process For Low Nox Operations	GC 0001572	28/03/2011	120
94	GCC/P/ 2004 / 4026	Replacement Of Hydrochlorofluorocarbons For Polymer Foam Manufacture	GC 0001573	28/03/2011	121
95	GCC/P/ 2005 / 4321	New Process For The Synthesis Of Ivabradine And Addition Salts Thereof With A Pharmaceutically Acceptable Acid	GC 0001574	28/03/2011	122

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
96	GCC/P/ 2005 / 5107	Process For The Production Of Bisphenol-A	GC 0001575	28/03/2011	123
97	GCC/P/ 2007 / 8581	Resin Composition For Filament, Filament And Process For Producing The Filament	GC 0001576	28/03/2011	124
98	GCC/P/ 2007 / 8582	Resin Composition For Filament, Filament And Process For Producing The Filament	GC 0001577	28/03/2011	125
99	GCC/P/ 2007 / 9033	Insect-Repellent Fiber	GC 0001578	28/03/2011	126
100	GCC/P/ 2006 / 7226	Controlling Pressure And Static Charge Build Up Within An Annular Volume Of A Wellbore	GC 0001579	10/03/2011	127
101	GCC/P/ 2005 / 4984	Non - Contacting Bearing Protector	GC 0001580	05/06/2011	128
102	GCC/P/ 2004 / 3308	Restricting Fluid Passage And Novel Materials Therefor	GC 0001581	28/03/2011	129
103	GCC/P/ 2002 / 2393	Arsenic Removal Catalyst And Method For Making Same	GC 0001582	28/03/2011	130
104	GCC/P/ 2003 / 2739	A Method For Improving The Selectivity Of A Catalyst And A Process For The Epoxidation Of An Olefin	GC 0001583	28/03/2011	131
105	GCC/P/ 2003 / 2741	A Method For The Start-Up Of An Epoxidation Process And A Process For The Epoxidation Of An Olefin	GC 0001584	28/03/2011	132
106	GCC/P/ 2005 / 4460	Transition Metal Complexes	GC 0001585	28/03/2011	133
107	GCC/P/ 2005 / 5121	Hydrocracking Catalyst Composition	GC 0001586	28/03/2011	134
108	GCC/P/ 2006 / 6694	Process For The Preparation Of Alkylene Carbonates	GC 0001587	28/03/2011	135

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
109	GCC/P/ 2006 / 6542	A Process For Producing A Supported Fischer-Tropsch Catalyst	GC 0001588	04/04/2011	136
110	GCC/P/ 2006 / 6661	Method For Tomographic Inversion By Matrix Transformation	GC 0001589	05/06/2011	137
111	GCC/P/ 2006 / 6569	Method For Predicting The Best And Worst In A Set Of Non-Unique Solutions	GC 0001590	05/06/2011	138
112	GCC/P/ 2007 / 7743	Substituted Quinolones Iii	GC 0001591	28/03/2011	139
113	GCC/P/ 2004 / 3330	Apparatus And Process For The Production Of Vinyl Chloride By Thermal Cracking Of 1,2-Dichloroethane	GC 0001592	09/04/2011	140
114	GCC/P/ 2003 / 2793	Pharmaceutical Formulation	GC 0001593	27/03/2011	141
115	GCC/P/ 2005 / 4876	Separation Of Propylene Oxide From A Mixture Comprising Propylene Oxide And Methanol	GC 0001594	27/03/2011	142
116	GCC/P/ 2007 / 8596	Rescue Device For Detained Person In Artesian Wells	GC 0001595	07/06/2011	143
117	GCC/P/ 2005 / 5059	Improved Co- Catalyst For The Production Of Linear Alpha- Olefins	GC 0001596	15/06/2011	144
118	GCC/P/ 2006 / 6852	Antifouling Paint Composition ,Antifouling Coating Film, Substrate With Coating Film, Antifouling Substrate, Forming Methodof Coating Film On The Surface Of The Substrate And Antifouling Method Of Substrate	GC 0001597	15/06/2011	145
119	GCC/P/ 2005 / 5416	Cable Manufacturing Process	GC 0001598	05/06/2011	146

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
120	GCC/P/ 2005 / 4970	Catalytic Process And Apparatus For Selective Hydration Of Alkylene Oxide	GC 0001599	15/06/2011	147
121	GCC/P/ 2006 / 6456	Process For Synthesizing A Heteropoly Acid Catalyst For Oxidation Of Unsaturated Aldehydes To Unsatuated Carboxylic Acid	GC 0001600	15/06/2011	148
122	GCC/P/ 2006 / 6069	Crystalline Form Of A Quinolinone-Carboxamide Compound	GC 0001601	15/06/2011	149
123	GCC/P/ 2003 / 2592	Partially Reduced Nanoparticle Additives To Lower The Amount Of Carbon Monoxide And/Or Nitric Oxide	GC 0001602	15/06/2011	150
124	GCC/P/ 2001 / 1472	Highly Selective Shell Impregnated Catalyst Of Improved Space Time Yield For Production Of Vinyl Acetate	GC 0001603	15/06/2011	151
125	GCC/P/ 2006 / 6186	Support Frame For Wall Mounting Of An Electrical Apparatus	GC 0001604	05/06/2011	152
126	GCC/P/ 2007 / 9707	Suspended Electrical Ducting And Corresponding Accessories	GC 0001605	05/06/2011	153
127	GCC/P/ 2006 / 7229	A System And Method For Preventing, Protecting And Or Detecting Explosion And Or Fire Of Electrical Transformer.	GC 0001606	18/06/2011	154
128	GCC/P/ 2003 / 2653	Improved Tubing Containing Eleetrical Wiring Insers	GC 0001607	30/05/2011	155

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
129	GCC/P/ 2005 / 4738	Separation Of Evolved Gases From Drilling Fluids In A Drilling Operation	GC 0001608	07/06/2011	156
130	GCC/P/ 2005 / 5269	Burner For Gas Turbine	GC 0001609	05/06/2011	157
131	GCC/P/ 2004 / 3459	Polymer Composition and Process to Manufacture High Molecular Weight-High Density Polyethylene and Film Therefrom	GC 0001610	16/06/2011	158
132	GCC/P/ 2006 / 7333	High Density Polyethylene	GC 0001611	15/06/2011	159
133	GCC/P/ 2006 / 7167	An Apparatus And Method For The Production Of Polyethylene And Ethylene Copolymers	GC 0001612	15/06/2011	160
134	GCC/P/ 2007 / 7965	Method And System Of Controlling Drilling Direction Using Directionally Sensitive Resistivity Readings	GC 0001613	07/06/2011	161
135	GCC/P/ 2006 / 6268	Auxiliary Support Case For At Least One Piece Of Electrical Equipment	GC 0001614	05/06/2011	162
136	GCC/P/ 2006 / 5952	Method For Controlling A Transportation System	GC 0001615	29/05/2011	163
137	GCC/P/ 2007 / 7942	Irrigation Device	GC 0001616	29/05/2011	164
138	GCC/P/ 2003 / 2421	Reducing Temperature Differences Within The Regenerator Of An Oxygenate To Olefin Process	GC 0001617	16/06/2011	165
139	GCC/P/ 2003 / 2510	Molecular Seive Compositions, Catalyst Thereof, Their Making And Use In Conversion Processes	GC 0001618	15/06/2011	166
140	GCC/P/ 2005 / 4459	Remote Staged Furnace Burner Configurations And Methods	GC 0001619	05/06/2011	167
141	GCC/P/ 2006 / 7033	Multi-Stage Flash Evaporator	GC 0001620	07/06/2011	168

Sr	Application No	Title of Invention	Patent No	Date of Grant	Page
142	GCC/P/ 2005 / 4473	Process For Disruption Of Filter Cakes	GC 0001621	05/06/2011	169
143	GCC/P/ 2005 / 4319	A Catalyst System For The Carbonylation Of Ethylenically Unsaturated Compound	GC 0001622	04/04/2011	170
144	GCC/P/ 2005 / 5404	apparatus for the production of liquid hydrocarbons by fischer- tropsch synthesis in a three- phase bed reactor	GC 0001623	10/03/2011	171
145	GCC/P/ 2006 / 6459	Catalyst For Oxidation Of Unsaturated Aldehydes To Unsatuated Carboxylic Acid, Method Of Making And Method Of Using Thereof	GC 0001624	26/03/2011	172
146	GCC/P/ 2006 / 6499	Process Of Making Mixed Metal Oxide Catalysts For The Production Of Unsaturated Aldehydes From Olefins	GC 0001625	26/03/2011	173
147	GCC/P/ 2007 / 8238	Inductive Coupling System	GC 0001626	10/03/2011	174

The Front Pages of Granted Patents

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

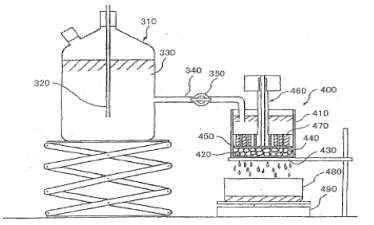
[11] Patent No.: GC 0001480 **[45] Date of Publishing the Grant of the Patent:** **30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 10/16966** **Date of the Decision to Grant the Patent: 27/08/2010**
[21] Application No.: GCC/P/2006/7490 **[22] Filing Date: 20/12/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **370858/2005 22/12/2005 JP** **193318/2006 13/07/2006 JP** **[72] Inventors: 1- Kenji KADONAGA، 2- Shin-ichi FUJINO، 3- Yoshio IRIE، 4- Yorimichi DAIROKU، 5- Hiroko OKOCHI، 6- Hideyuki TAHARA** **[73] Owner: Nippon Shokubai Co., Ltd of 1-1, Koraibashi 4-chome, Chuo- ka, Osaka-shi , Osaka 541-0043 Japan** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: C08F 6/00; C08F 6/00** **[56] Cited Documents:** **- EP 1462473 A (NIPPON CATAYTIC CHEM IND [JP]) 29 September 2004** **- EP 0450923 A2 (NIPPON CATALYTIC CHEM IND [JP]) 09 October 1991** **- US 2004/242761 A1 (DAIROKU YORIMICHI [JP] et al.) 02 December 2004** **Examiner: Bander M. Al-Thobity**

[54] METHOD FOR SURFACE CROSSLINKING WATER-ABSORBING RESIN AND METHOD FOR MANUFACTURING WATER-ABSORBING RESIN

[57] Abstract: A method for surface crosslinking water-absorbing resin of the present invention includes a step (1) of obtaining a wet mixture, a step (2) of obtaining a dried particulate composition, and a step (3) of carrying out a surface crosslinking reaction. With this, since a processing time of each step become short, it is possible to mass produce the water-absorbing resin having excellent physical properties.

Moreover, a method for manufacturing the water-absorbing resin of the present invention includes a modifying step and a cooling step. The modifying step and/or the cooling step are/ is carried out by using stirring means including a rotation axis having a plurality of stirring boards, and the stirring means includes the stirring board having a specific thickness and / or a scraping blade having a specific shape. With this, it is possible to suppress the generation of the fine powder in the modifying step and/or the cooling step.

No. of claims: 5 No. of figures: 5



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001481	**Number of the Decision to Grant the Patent: 10/17555**
[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	**Date of the Decision to Grant the Patent: 03/09/2010**
[21] Application No.: GCC/P/2006/6057 **[22] Filing Date: 05/04/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/100.487 07/04/2005 US** **[72] Inventors: 1- Tim Hansen، 2- Yeong-Ching A. hong، 3- Sandra E. Kelly-Harris، 4- Jimbay P. Loh** **[73] Owner: Kraft Foods Global Brands LLC, Three Lakes Drive, Northfield, 60093, Illinois, USA** **[74] Agent: Saud M. A. Shawwaf**	**[51]Int. Cl.[7]: A23L 1/03, 1/24** **[56] Cited Documents:** **- US 501373 A (UNILEVER NV) 07 May 1991** **Examiner: Majed I.Al-Rufayyig**

[54] SHELF-STABLE COLD-PROCESSED FOOD COMPOSITIONS AND METHODS FOR THEIR PREPARATION

[57] Abstract: Very low pH, shelf-stable, unpasteurized food compositions with reduced sourness and methods of making same are provided. These food compositions are prepared without receiving a pasteurization or other heat treatment by acidifying a foodstuff with a membrane acidic electrodialyzed composition (ED), and/or addition of edible inorganic acids and/or or their metal acid salts, to provide very low pH values, such as pH 3.5 or lower, particularly 3.2 or lower, wherein the total organic acid content is 0.22 moles per 1000 grams of food composition or less, effective to enhance shelf-stability yet without introducing an objectionable sour taste or otherwise adversely effecting organoleptic properties of the resulting food compositions.

No. of claims: 22 No. of figures: 2

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19)مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

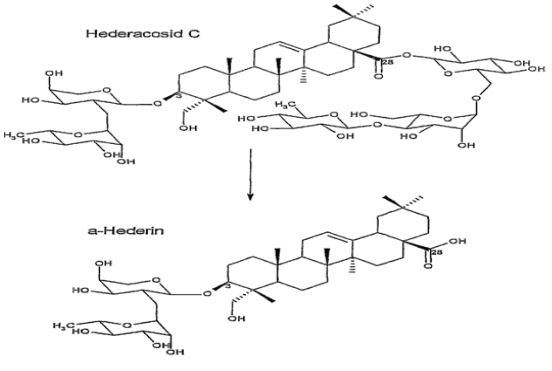
[12] **Patent**

[11] Patent No.: GC0001482 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 10/18588** **Date of the Decision to Grant the Patent: 09/11/2010**
[21] Application No.: GCC/P/2004/3818 **[22] Filing Date: 18/09/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10345343. 19/09/2003 DE** **[72] Inventors: 1-Wolfgang SCHNEIDER، 2-Frank RUNKEL، 3- Georg Maximilian ENGELHARD، 4-Oliver SCHMIDT** **[73] Owner: Engelhard Arzneimittel GmbH & Co. KG, Herzbergstrase, 3,61138, Niederdorfelden, Germany** **[74] Agent: Suleiman I. Al-Ammar**	**[51]Int. Cl.[7]: A61K35/78; A61P11/00** **[56] Cited Documents:** **- DATA BIOSIS `Online! BIOSCIDNCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1997** **- DATABASE EMBASE `Online! ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL; 1986** **Examiner: Nouf Saleh Al-Nassban**

[54] METHOD FOR PREPARING AN EXTRACT FROM IVY LEAVES

[57] Abstract:The present invention relates to a method for preparing an extract from ivy leaves which includes the active ingredient hederacoside C and a-hederin, and to extracts prepared by this process. According to this there is initially provision of a first, a-hederin-rich extract and subsequently provision of a second, hederacoside C-rich extract. In a last step, the two extracts are blended to give an extract which has an adjusted hederacoside C content and an adjusted a-hederin conten

No. of claims: 9 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001483 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 10/18612 Date of the Decision to Grant the Patent: 09/11/2010
[21] Application No.: GCC/P/2006/7190 [22] Filing Date: 11/11/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 2005-328824 14/11/2005 JP [72] Inventors: 1- Tadahiro KAMINADE، 2- Yasuo NAKATSUKA، 3- Tsutomu KIHARA، 4- Toshio MORIHIRO [73] Owner: NIPPON OIL CORPORATION [74] Agent: Suleiman I. Al-Ammar	[56] Int.Cl.[7]:C04B 12/00; C04B 28/36; C08G 75/10; C04B 12/00; C04B 28/00; C08G 75/00 [56] Cited Documents: - WO 2003080533 A1 (NIPPON OIL CORP [JP]; IDOMCO CORP [JP] ; HASHIMOTO HIROSHI [JP] 06 March 2003. Examiner: Bander M. Al-Thobity

[54] METHODS FOR PRODUCING BINDING MATERIAL CONTAINING MODIFIED SULFUR AND MATERIAL CONTAINING MODIFIED SULFUR

[57] Abstract: The present invention provides a method for producing a binding material containing modified sulfur which gives excellent ignition resistance , mechanical strength, water sealability, and resistance to sulfur- oxidizing bacteria, and which may be usable for sealing domestic and industrial wastes, and a method for producing, with easy control, a material containing modified sulfur using the binding material. The methods for producing the binding material includes the steps of providing a starting material for modified sulfur composed of 100 parts by mass of sulfur and 0.1 to 25 parts by mass of ENB, mixing the starting material in a molten state at 120 to 160 ℃, and when the viscosity at 140 ℃ of the resulting molten mixture falls in the range of 0.050 to 3.0 Pa·s, cooling the molten mixture down to a temperature not higher than 120 ℃. The method for producing the material containing modified sulfur includes the steps of, after the binding material is prepared ,mixing 10 to 50 mass% of aggregate at 120 to 160 ℃, while the viscosity at 140 ℃ of the binding material is maintained within a range of 0.050 to 3.0 Pa·s, and cooling the resulting mixture down to a temperature not higher than 120 ℃.

No. of claims: 5

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

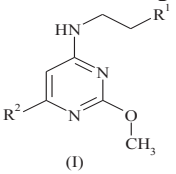
(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001484 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 10/18586 Date of the Decision to Grant the Patent: 09/11/2010
[21] Application No.: GCC/P/2007/8072 [22] Filing Date: 04/04/2007 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/744.676 12/04/2006 US [72] Inventors: 1- STEFANY, David ‹2- GILLESPY, Timothy A. ‹3- HARRIS, Keith John‹ 4- AGUIAR, Joacy C.‹ 5- GARDNER, Charles J. [73] Owner: SANOFI-AVENTIS, 300somersrt, Corporate Boulevard, Bridgewater, 2854-08807 New Jersey, USA [74] Agent: Suleiman I. Al-Ammar	[51]Int. Cl.[7]: C07D 239/46, 403/04, 409/04 [56] Cited Documents: - WO 03/066047 A (ASTRAZENECA AB [SE]; BAXTER ANDREW [GB]; STEELE JOHN [GB]; TEAGUE SIMO) 14 August 2003 Examiner: Nouf Saleh Al-Nassban

[54] 2,6-SUBSTITUTED-4-MONOSUBSTITUTED AMINO-PYRIMIDINE AS PROSTAGLANDIN D2 RECEPTOR ANTAGONISTS

[57] Abstract: The present invention is directed to a compound of formula (I) ,



(I)

wherein R<1> and R<2> are as defined herein, or a pharmaceutically acceptable salt, hydrate, or solvate thereof, a pharmaceutically acceptable prodrug thereof, or a pharmaceutically acceptable salt, hydrate or solvate of the prodrug, a pharmaceutical composition comprising a pharmaceutically effective amount of one or more compounds of the invention in admixture with a pharmaceutically acceptable carrier, a method of treating a patient suffering from a PGD2- mediated disorder including, but not limited to, allergic disease (such as allergic rhinitis, allergic conjunctivitis, atopic dermatitis, bronchial asthma and food allergy), systemic mastocytosis, disorders accompanied by systemic mast cell activation, anaphylaxis shock, bronchoconstriction, bronchitis, urticaria, eczema, diseases accompanied by itch (such as atopic dermatitis and urticaria), diseases (such as cataract, retinal detachment, inflammation, infection and sleeping disorders) which are generated secondarily as a result of behavior accompanied by itch (such as scratching and beating), inflammation, chronic obstructive pulmonary diseases, ischemic reperfusion injury, cerebrovascular accident, chronic rheumatoid arthritis, pleurisy, ulcerative colitis and the like by administering to said patient a pharmaceutically effective amount of a compound of the invention.

No. of claims: 6

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

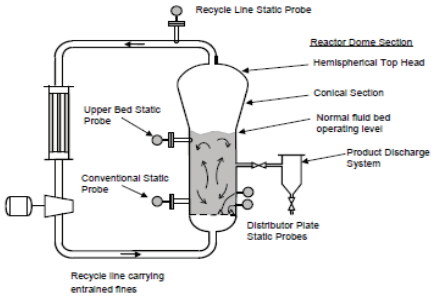
[12] Patent

[11] Patent No.: GC 0001485 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/20668** **Date of the Decision to Grant the Patent: 30/01/2011**
[21] Application No.: GCC/P/2004/4177 **[22] Filing Date: 29/12/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/534.026 02/01/2004 US** **[72] Inventors: 1- John F. Szul، 2- Mark G. Goode، 3- Robert O. Hagerty، 4- Michael E. Muhle، 5- Agapios K. Agapiou، 6- Richard B. Pannell، 7- Chi-I Kuo، 8- F. David Hussein** **[73] Owner: Univation Technologies, LLC, 5555 San Felipe, Suite 1950, Houston,U.S.A** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: C08F 2/34; C08F 2/38, C08F 4/06** **[56] Cited Documents:** **- EP 1308464 A (BP CHEMICALS SNC [FR]) 7 May 2003** **- WO 01/44323 A (UNIVATION TECH LLC [US]) 21 June 2001** **- US 6111034 A (GOODE MARK GREGORY [US] et al.) 29 August 2000** **- WO 98/12231 A (MOBIL OIL CORP [US]) 26 March 1998** **- US 6335402 B1 (MIHAN SHAHRAM [DE] et al.) 01 January 2002** **- WO 99/61486 A (UNIVATION TECH LLC [US]) 02 December 1999** **Examiner: Ali ahmed Almlla**

[54] METHOD FOR CONTROLLING SHEETING IN GASPHASE REACTORS

[57] Abstract: Embodiments of the present invention relate to measuring and controlling static in a gas phase reactor polymerization. In particular, embodiments relate to monitoring carryover static in an entrainment zone during gas phase polymerization to determine the onset of reactor discontinuity events such as chunking and sheeting. Embodiments also ralate to monitoring carryover static to determine the need for effective additions of continuity additives that minimize reactor static activity and thereby preventing discontinuity events.

No. of claims: 14 No. of figures: 12



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001486

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/21589

Date of the Decision to Grant the Patent: 27/02/2011

[21] Application No.: GCC/P/2005/4792
[22] Filing Date: 18/06/2005
[30] Priority:
[31] Priority No. [32] Priority date [33] State
10/872.847 21/06/2004 US
[72] Inventors: 1- James M. Farley، 2- John F. Szul
[73] Owner: Univation Technologies, LLC, 5555 San Felipe, Suite 1950, Houston, 77056, Texas, USA
[74] Agent: Saud M. A. Shawwaf

[51] Int. CI.[7]: C08F210/00, 2/34, 210/16
[56] Cited Documents:
- US 2003/0017354 A1 (BAYLEY et al.) 23 January 2003
- US 2003/0096128 A1 (FARLEY et al.) 22 March 2003

Examiner: Ebrahim M AL-Qurashi

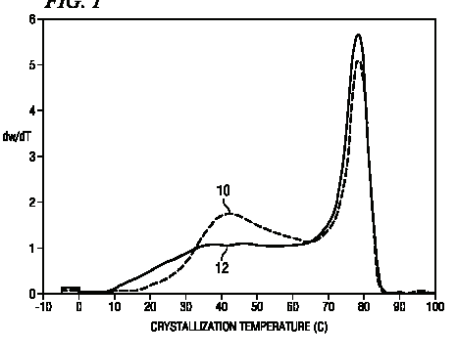
[54] METHODS FOR PRODUCING POLYMERS WITH CONTROL OVER COMPOSITION DISTRIBUTION

[57] Abstract: 0Methods for controlling a melt viscosity of a polyolefin, controlling comonomer distribution of a polyolefin, achieving a targeted melt viscosity of a polyolefin, and films made from such polyolefins are provided. The methods include contacting an olefin monomer and at least one comonomer with a catalyst system in the presence of a condensable fluid comprising a saturated hydrocarbon having from 2 to 8 carbon atoms. The catalyst system in one embodiment includes a hafnium metallocene catalyst component.

No. of claims: 13 No. of figures: 3

1/2

FIG. 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

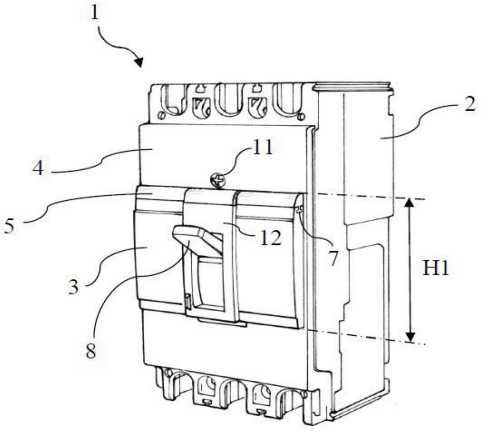
[12] Patent

[11] Patent No.: GC 0001487 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 10/19372 Date of the Decision to Grant the Patent: 29/11/2010
[21] Application No.: GCC/P/2007/7901 [22] Filing Date: 07/03/2007 [30] Priority: [31] Priority No. [32] Priority date [33] State 000123 09/03/2006 IT [72] Inventor: Fabrizi Fabrizio [73] Owner: BTICINO S.p.A. ,Via Messina, 38 - 20154 MILANO, Italy [74] Agent: Hasan Al-Mulla	[51] Int. Cl.[7]: H01H 71/02; H02B 1/06 [56] Cited Documents: - DE 112647B (BUSCH JAEGER DUERENER METALL) 29 March 1962 Examiner: Mousa'ab A. AlFadhala

[54] ELECTRICAL EQUIPMENT WITH RECONFIGURABLE FRONTAL PORTION

[57] Abstract: Electrical equipment (1) to be installed in an electrical switchboard provided with a panel in which a substantially quadrangular window is defined, the electrical equipment (1) including a substantially box-like body (2) with a frontal portion (3) projecting from a face (4) of said body (2) having a first dimension (Hl) substantially similar to a side of the quadrangular window such that said frontal portion (3) can be received within said window, characterized in that the frontal portion (3) includes a fitting element (5) that can be removably associated with said face (4) of the box-like body {2} to reconfigure said frontal portion (3) by varying said first dimension (Hl).

No. of claims: 7 No. of figures: 2



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001488

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 10/19855

Date of the Decision to Grant the Patent: 25/12/2010

[21] Application No.: GCC/P/2005/5561
[22] Filing Date: 20/12/2005
[30] Priority:

[31] Priority No.	[32] Priority date	[33] State
2005-117411	2005/04/14	JP
2004-367882	2004/12/20	JP

[51] Int. CI. (2006.01): H01H 23/24; H01H 9/16; H01H 23/02; H01H 21/02
[56] Cited Documents:
- JP 2000-251582 A(JIMBO DENKI KK) 14 September 2000

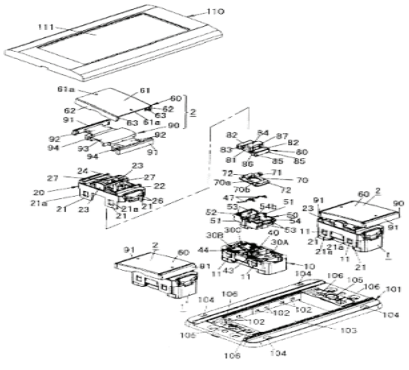
[72] Inventors: 1- Chih Kuang Hsiao، 2- Hirohisa Okuno، 3- Toshiyuki Takii، 4- Masami Hayafune، 5- Yu Sheng Chen
[73] Owner: Matsushita Electric Works, Ltd.1048, Oaza-Kadoma, Kadoma-shi, Osaka, Japan
[74] Agent: Suleiman I. Al-Ammar

Examiner: Ebrahim Al-Obody

[54] SWITCH WITH DISPLAY AND SWITCH DEVICE

[57] Abstract: A switch with display includes a switch main body including a device body accommodating therein a double throw contact device; a luminous source for emitting light produced by a voltage generated between double throw contact points of the contact device; an operation handle pivotably installed at a front side of the switch main body, and a shorter width dimension of the operation handle being at least approximately identical to or larger than that of the front side of the switch main body; and a prism including two display parts for emanating the light from the luminous source to outside through displaying surfaces thereof and two light collection parts, for guiding the light from the luminous source to the displaying surfaces of the two display parts, the two display parts being provided at two opposite pivoting ends of the operation handle.

No. of claims: 11 No. of figures: 22



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

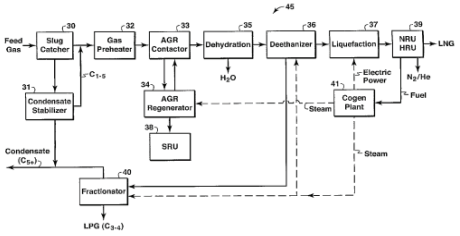
[12] Patent

[11] Patent No.: GC0001489	**Number of the Decision to Grant the Patent: 11/21590**
[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	**Date of the Decision to Grant the Patent: 27/02/2011**
[21] Application No.: GCC/P/2005/4778 **[22] Filing Date: 15/06/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/580.746 18/04/2004 US** **[72] Inventors: 1- Daniel J. Hawrysz، 2- John B. Stone** **[73] Owner: ExxonMobil Upstream Research Company, P.O.BOX 2189, Houston, 2489,77252, Texas, USA** **[74] Agent: Saud M. A. Shawwaf**	**[51]Int. CI^{7}: F25J 1/00, 3/00** **[56] Cited Documents:** **- US 6539747 B2 (Minta et al.) 01 April 2003** **Examiner: Ebrahim M AL-Qurashi**

[54] SCALABLE CAPACITY LIQUEFIED NATURAL GAS PLANT

[57] Abstract: 0The current invention is related to hydrocarbon fluid processing plants, methods of designing hydrocarbon fluid processing plants, methods of operating hydrocarbon fluid processing plants, and methods of producing hydrocarbon fluids using hydrocarbon fluid processing plants. More particularly, some embodiments of the invention are related to natural gas liquefaction plants, methods of designing natural gas liquefaction plants, methods of operating natural gas liquefaction plants and methods of producing LNG using natural gas liquefaction plants. One embodiment of the invention includes a hydrocarbon fluid processing plant including a plurality of process unit module types, the plurality of process unit module types including at least a first process unit module type including one or more first process unit modules and a second process unit module type including two or more integrated second process unit modules wherein at least one of the first process unit modules and at least one of the second process unit modules are sized at their respective substantially maximum processing efficiency.

No. of claims: 76 No. of figures: 8



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

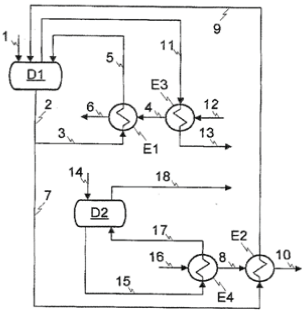
[12] Patent

[11] Patent No.: GC0001490	**Number of the Decision to Grant the Patent: 11/21809**
[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	**Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2007/8178 **[22] Filing Date: 18/04/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **102006019100.5 25/04/2006 DE**	**[51]Int. Cl.[7]: C01B 3/02** **[56] Cited Documents:** **- US20050288381 A1(PRAXAIR TECHNOLOGY INC) 29 December 2005**
[72] Inventors: 1- Josef Schwarzhuber، 2- Harald Klein، 3- Dino Henes، 4- Christian Freitag،5- Stefano Innocenzi **[73] Owner: Linde Aktiengesellschaft ., Germany** **[74] Agent: Ahmed Najdat Bazarbashe**	**Examiner: Abdallah Ibrahim AL-Khatib**

[54] PRODUCTION OF EXPOERT STEAM IN STEAM REFORMERS

[57] Abstract: The invention relates to a process for generating steam in steam reformation processes in which at least one first steam stream (18) and one second steam stream (13) are generated, wherein the first steam stream (process steam) (18) is completely used in the steam reformation process, while the second steam stream (export steam) (13) is utilized externally. The export steam (13) is generated solely by vaporizing degassed and demineralized water (pure water) (1).

No. of claims: 9 No. of figures: 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] **Patent**

[11] Patent No.: GC 0001491 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22746** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2006/7135 **[22] Filing Date: 31/10/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/264.900 02/11/2005 US** **[72] Inventors: 1- Qing Yang، 2- Matthew G. Thorn، 3- J. Todd Lanier، 4- Kumudini Jayaratne، 5- Michael D. Jensen، 6- Max P. McDaniel، 7- Joel L. Martin، 8- Rajendra K. Krishnaswamy، 9- Paul J. Deslauriers** **[73] Owner: Chevron Phillips Chemical Company LP,Six Pines Drive, The Woodlands 10001,77380,Texas, USA** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: C08L 23/08; C08L 23/04; F16L 47/00; C08L 23/00; F16L 47/00** **[56] Cited Documents:** **- EP 1359192 A (SOLVAY [BE]) 05 November 2003** **- US 2005/154159 A1 (DESLAURIERS PAUL J [US] et al.) 14 July 2005** **Examiner: Bander M. Al-Thobity**

[54] MULTIMODAL POLYETHYLENE COMPOSITIONS AND PIPE MADE FROM SAME

[57] Abstract: A multimodal polyethylene composition having at least two polyethylene components, wherein each component has a molecular weight distribution of equal to or less than about 5, one component has a higher molecular weight than the other component, and the higher molecular weight component has an "a" parameter value of equal to or greater than about 0.35 when fitted to the Carreau-Yasuda equation with n=0.

No. of claims: 19 No. of figures: 1

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001492 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22726** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2005/5002 **[22] Filing Date: 07/08/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/601,661 13/08/2004 US** **[72] Inventors: 1- Levin Doron.، 2- Dakka Jihad ،3- Stokes James P.، 4- Cheng, Jane Chi-ya.، 5- Steckel Michael A.، 6- Smith Charles M.، 7- Buchanan, John S.، 8- Robbins John L.، 9- Stanat Jon E.، 10- Santiesteban Jose Guadalupe.** **[73] Owner: Exxonmobil Chemical Patents Inc., 5200 Bayway Drive, Baytown 77520, Texas, USA** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: C07C 2/70, 15/02, 39/04, 45/53, 49/10, 409/08, 37/08** **[56] Cited Documents:** **- EP 0395360 A1 (SUMITOMO CHEMICAL COMPANY, LIMITED) 31 October 1990** **- EP 0719750 A1 (CHEVERON U.S.A. INC) 03 July 1996** **- US 4992606 B (MOBIL OIL CORP) 12 February 1991** **- US 5371310 B (MOBIL OIL CORP) 06 December 1994** **- US 5557024 (MOBIL OIL CORP) 17 September 1996** **Examiner: Yahiya Naser Al-BuSafi**

[54] PROCESS FOR PRODUCING PHENOL AND METHYL ETHYL KETONE.

[57] Abstract: A process for producing phenol and methyl ethyl ketone comprises contacting benzene with a C_4 alkylating agent under alkylation conditions with catalyst comprising zeolite beta or a molecular sieve having an X-ray diffraction pattern including d-spacing maxima at 12.4±0.25, 6.9±0.15, 3.57±0.07 and 3.42±0.07 Angstrom to produce an alkylation effluent comprising sec-butylbenzene. The sec-butylbenzene is then oxidized to produce a hydroperoxide and the hydroperoxide is decomposed to produce phenol and methyl ethyl ketone.

No. of claims: 45 No. of figures: 2

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] **Patent**

[11] Patent No.: GC0001493 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22752** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2002/2160 **[22] Filing Date: 03/08/2002** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **09/921.695 06/08/2001 US** **[72] Inventors: 1- GEORGE JOHAN PETER BRITOVESK، 2- STEVEN ALAN COHEN، 3- VERNON CHARLES GIBSON** **[73] Owner: Ineos Europe Lm Limited, Hawkslease, Chapel Lane, Lyndhurst Hampshire, S043 7FG, United Kingdom** **[74] Agent: Dr. Hassan Al-Mulla**	**[51] Int. Cl.[7]: C07C 2/30, 2/32, 11/02, 29/54; C07F 3/06; C08F 10/00, 110/02** **[56] Cited Documents:** **- US 3252958 A (GIACHETTI E. et al.) 24 May 1966** **- US 4361714 A (LANGER et al.) 30 November 1982** **- US 5276220 A (SAMSEL et al.) 04 January 1994** **Examiner: Yahiya Naser Al-BuSafi**

[54] CHAIN GROWTH REACTION PROCESS

[57] Abstract: A process is disclosed for the preparation of zinc alkyl chain growth products via a catalysed chain growth reaction of an alpha-olefin on a zinc alkyl, wherein the chain growth catalyst system employs a group 3-10 transition metal, or a group 3 main group metal, or a lanthanide or actinide complex, and optionally a suitable activator. The products can be further converted into alpha-olefins by olefin displacement of the grown alkyls as alpha-olefins from the zinc alkyl chain growth product, or into primary alcohols, by oxidation of the resulting zinc alkyl chain growth product to form alkoxide compounds, followed by hydrolysis of the alkoxides.

No. of claims: 49 No. of figures: 13

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001494 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/20137** **Date of the Decision to Grant the Patent: 22/01/2011**
[21] Application No.: GCC/P/2006/6126 **[22] Filing Date: 19/04/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **05103559.0 29/04/2005 EP** **[72] Inventors: 1- Simon BROUGHTON، 2- Gareth Ian NAYLOR، 3-Anthony MORAN** **[73] Owner: Ciba Specialty Chemicals Holding Inc., Klybeckstrasse 141, 4057,Basel Switzerland** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: C08F20/16,C08F20/56** **[56] Cited Documents:** **- US 5633329 A (HAEHNLE et al.) 27 May 1997** **Examiner: Ali ahmed Almlla**

[54] PRODUCTION OF POLYMERS IN A FULLY CONICAL REACTOR

[57] Abstract: The present invention provides a process for the preparation of polymer which comprises the steps of

i) feeding an aqueous mixture comprising a monoethylenically unsaturated monomer or a mixture of monoethylenically unsaturated monomers and an initiator into the top of a reactor

ii) polymerizing the monoethylenically unsaturated monomer to form a gel-like aqueous mixture comprising the polymer,

iii) squeezing the gel-like aqueous mixture comprising the polymer out of the bottom of the reactor using inert gas,

wherein the reactor is either a vertical fully conical reactor having an angle (α) between top diameter (d1) of the reactor and inner wall of the reactor of smaller than 90° but larger than 45° or is made up of 2 to 5 connected vertical conical parts, which are on top of one another, each having an angle between top diameter of the part and inner wall of the part of smaller than 90° but larger than 45°.

No. of claims: 8 No. of figures: 1

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001495 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/20141** **Date of the Decision to Grant the Patent: 22/01/2011**
[21] Application No.: GCC/P/2005/4351 **[22] Filing Date: 28/02/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/884,659 02/07/2004 US** **[72] Inventors: 1- Jichuan Hu، 2- Vijender K. Verma** **[73] Owner: Kellogg Brown & Root, Inc. 601 Jefferson Avenue, 77002 Texas ,Houston, USA** **[74] Agent: Suleiman I. Al-Ammar**	**[56] Int. Cl.[7]: C07C 7/11; C07C 7/04; C07C 7/00** **[56] Cited Documents:** **- US 5811621 A (VAN DIJK C P) 22 September 1998** **Examiner: Ali ahmed Almlla**

[54] LOW PRESSURE OLEFIN RECOVERY PROCESS

[57] Abstract: A low-pressure olefins recovery process and plant are described. The feed gas 300 is compressed 302, 304 and distilled 310 at a primary distillation pressure. The overhead stream 312 is chilled 318 at a pressure less than 30 kg/cm² (430 psia) to partially condense the overheads. The primary distillation tower 310 is refluxed with at least a portion of the condensate 320. The overhead vapor is further chilled 318 and partially condensed and the condensate 322 is fed to a demethanizer 324. The remaining vapor 326 is cooled in a cold section 328 and the resultant liquid is phase-separated 330 and expanded 331, 334 to provide refrigeration for the cold section. The expanded vapor 332 from the cold section is recycled to the process gas compressor. The bottoms streams 338,342 from the primary distillation zone and the demethanizer are fractionated into respective streams consisting essentially of ethylene 356, ethane 358, propylene 364, propane 366, C_4's 346, and C_{5+} 348.

No. of claims: 24 No. of figures: 9

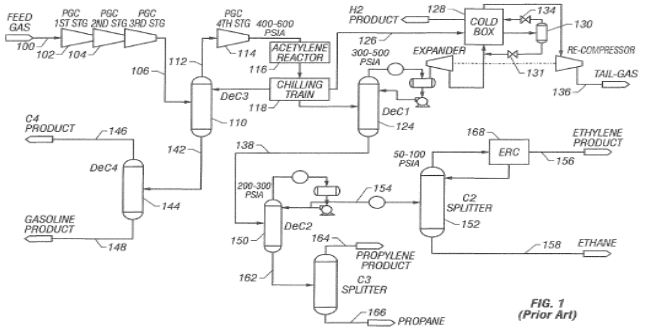


FIG. 1 (Prior Art)

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

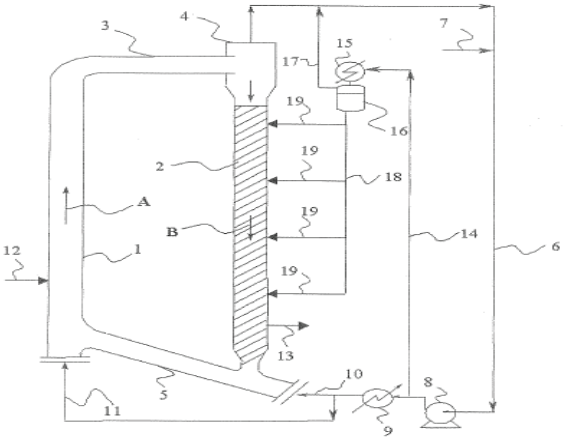
[12] Patent

[11] Patent No.: GC 0001496 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/20139** **Date of the Decision to Grant the Patent: 22/01/2011**
[21] Application No.: GCC/P/2005/4352 **[22] Filing Date: 28/02/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **04100856.6 03/03/2004 EP** **[72] Inventors: 1- Gabriele MEI، 2- Stefano BERTOLINI** **[73] Owner: Basell Poliolefine Italia S.p.A., Via Pergolesi 25,Milano, Italia** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: C08F 2/00; C08F 2/34; C08F10/00;B01J8/20** **[56] Cited Documents:** **- EP 1012195 A (MONTELL TECHOLOGY COMPANY BV; BASELL POLIOLEFINE ITALIA S.P.A) 28 June 2000** **Examiner: Ali ahmed Almlla**

[54] METHOD FOR CONTROLLING THE POLYMER FLOW IN A POLYMERIZATION PROCESS

[57] Abstract: A method for controlling the flowability of polymer particles flowing downward in a densified from inside a polymerization reactor, in which one or more monomers are gas-phase polymerized in the presence of a polymerization catalyst, the density of solid (Kg of polymer per m³ of reactor occupied by the polymer) being higher than 80% of the "poured bulk density" of the polymer, the method being characterized in that a liquid stream is continuously fed into the polymerization reactor at a mass flow rate per unity of reactor surface higher than 30 Kg/h m².

No. of claims: 10 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001497 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22722** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2005/4242 **[22] Filing Date: 29/01/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/762.056 21/01/2004 US** **[72] Inventors: 1- Ted H. Cymbaluk‹2- Mark E. Kertok‹3- Ashish M. Sukhadia‹4- Michael D. Jensen‹5- Joel L. Martin‹6- Matthew G. Thorn‹7- Qing Yang‹8- Rajendra K. Krishnaswamy‹9- Max P. McDaniel‹10- Elizabeth A. Benham** **[73] Owner: Chevron Phillips Chemical Company LP, 10001 Six Pines Drive, The Woodland, 77380, Texas, USA** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: C08F 210/16, 4/642** **[56] Cited Documents:** **- US 2003/088038 A1 (VAUGHAN GEORGE ALAN et al) 8 May 2003** **- US 6391816 B1 (MCDANIEL MAX P et al.) 21 May 2002** **- EP 0452920 A (MITSUI PETROCHEMICAL INDUSTRIES, LTD; MITSUI CHEMICALS, INC) 23 October 1991** **- US 6143854 A (BAMBERGER et al.) 07 November 2000** **- US 6608000 B1 (BAMBERGER ROBERT LEE et al.) 19 August 2003** **Examiner: Yahiya Naser Al-BuSafi**

[54] DUAL METALLOCENE CATALYST FOR PRODUCING FILM RESINS WITH GOOD MACHINE DIRECTION MD ELMENDORF TEAR STRENGTH

[57] Abstract: The invention relates to catalyst compositions comprising a first metallocene compound, a second metallocene compound, at least one chemically-treated solid oxide, and at least one organaluminum compound. This invention also relates to methods to prepare and ust the catalyst compositions and new polyolefins. The compositions and methods disclosed herein provide ethylene polymers and copolymers with lower MI, increased melt strength, and good MD tear properties.

No. of claims: 35

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

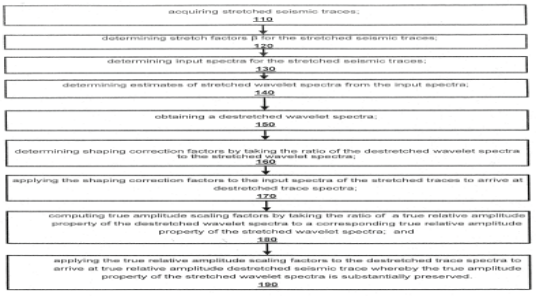
[12] Patent

[11] Patent No.: GC 0001498 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21806** **Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2006/5805 **[22] Filing Date: 12/02/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/056,640 12/02/2005 US** **[72] Inventors: 1- Richard B. Alford، 2- Harry L. Martin، 3- E. Frederic Herkenhoff** **[73] Owner: Chevron U.S.A. Inc.Market Street , ،555 San Francisco ,94105, California , USA** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: G01V 1/28** **[56] Cited Documents:** **- US4747054A (Chittineni) 24 May 1988** **- US5684754A (Byun et al.) 04 November 1997** **- US 6798714B1(Trickett) 28 September 2004** **Examiner: Mohammed A. Aljaffar**

[54] METHOD AND APPARATUS FOR TRUE RELATIVE AMPLITUDE CORRECTION OF SEISMIC DATA FOR NORMAL MOVEOUT STRETCH EFFECTS

[57] Abstract: The present invention provides a method and apparatus for arriving at true relative amplitude destretched seismic traces from stretched seismic traces. The method compensates for offset varying reflection interference effects due to normal moveout. Stretch factors β and also input spectra are determined for NMOR stretched seismic traces. Estimates are then made of stretched wavelet spectra from the input spectra. A destretched wavelet spectra is then obtained. Shaping correction factors are determined by taking the ratio of the destretched wavelet spectra to the stretched wavelet spectra and are applied to the input spectra of the stretched traces to arrive at a destretched trace spectra. True relative amplitude scaling factors are computed by taking the ratio of a true relative amplitude property of the destretched wavelet spectra to a corresponding true relative amplitude property of the stretched wavelet spectra. Finally, the true relative amplitude scaling factors are applied to the destretched trace spectra to arrive at true relative amplitude destretched seismic traces.

No. of claims: 19 No. of figures: 9



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

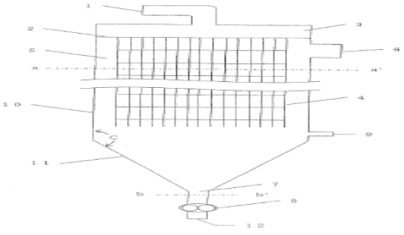
[12] Patent

[11] Patent No.: GC 0001499 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/20166** **Date of the Decision to Grant the Patent: 22/01/2011**
[21] Application No.: GCC/P/2005/5250 **[22] Filing Date: 10/10/200** **[72] Inventors: 1- Kazuhiko MATSUZAKI، 2- Hiroshi HACHIYA، 3- Shinsuke FUKUOKA** **[73] Owner: Asahi Kasei Chemicals Corporation,1-2, Yuraku-cho 1-chome, Chiyoda-ku, Tokyo, 100-8440, Japan** **[74] Agent: Nassir Ali Kadasa**	**[51] Int. Cl.[7]: C08G 64/30; C08G 64/04** **[56] Cited Documents:** **- US 6429276 B1 (ASAHI KASEI KOGYO KK) 06 August 2002** **- US 6320015 B1 (ASAHI KASEI KOGYO KK) 20 November 2001** **- JP 7292097 A (ASAHI KASEI KOGYO KK) 07 November 1995** **- CA 2168630 A (ASAHI KASEI KOGYO KK) 02 August 1997** **- US 6265526 B1 (ASAHI KASEI KOGYO KK) 24 July 2001** **Examiner: Ali ahmed Almlla**

[54] IMPROVED METHOD FOR PRODUCING AN AROMATIC POLYCARBONATE

[57] Abstract: A method for producing an aromatic polycarbonate at a rate of 1 ton/hr or more by the use of a guide? wetting fall polymerizer device which has a casing having a polym-erization reaction zone and an outlet, the polymerization reaction zone having a guide, wherein, at the polymeriza-tion reaction zone, the casing has an upper portion and a lower tapered portion, and wherein the polymerizer device has the following characteristics: the opening area A of the horizontal cross section of the upper portion of the casing : 0.7 to 200 m2; the ratio of the opening area A to a minimum opening area B m2 of the cross section of the outlet : 20 to 1,000; the angle C between said upper peripheral side wall of said upper portion and said lower peripheral wall of said lower tapered portion: 120 to 165°; and the length and total outer surface area of the guide : 150 to 3,000 cm and 2 to 5,000 m2, respectively. By the method of the present invention, a high quality, high performance aromatic polycarbonate which is not only colorless but also has excellent mechanical properties can be stably produced on a commercial scale at a rate of 1 ton/hr or more for a long period of several thousands hours for example, a period of time as long as 5,000 hours without fluctuation of the molecular weight of the aromatic polycarbonate.

No. of claims: 10 No. of figures: 2



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001500	Number of the Decision to Grant the Patent: 11/22740
[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Date of the Decision to Grant the Patent: 27/03/2011
[21] Application No.: GCC/P/2002/2170 [22] Filing Date: 14/08/2002 [30] Priority: [31] Priority No. [32] Priority date [33] State 10/196.530 15/07/2002 US 09/943.695 31/08/2001 US 60/345.666 31/12/2001 US	[51] Int. Cl.[7]: C07C 11/04, 11/06, 7/04 [56] Cited Documents: - WO 99/55650 A1 (EXXON CHEMICAL PATENTS INC) 04 November 1999 - US 5714662 (VORA et al.) 3 February 1998 - WO 01/62382 A2 (EXXONMOBIL CHEM PATENTS INC) 30 August 2001
[72] Inventors: 1- Minquan Cheng، 2- David R. Lumgair, Jr، 3- Michael Peter Nicoletti، 4- Jeffrey Alan Kabin، 5- John Richard Shutt، 6- Jeffrey Phillips [73] Owner: Exxon Mobil Chemical Patents Inc., 5200, Baytown, Bayway Drive, 77520 Texas, USA	
[74] Agent: Saud M. A. Shawwaf	Examiner: Bander M. Al-Thobity

[54] METHOD OF REMOVING DIMETHYL ETHER FROM AN OLEFIN STREAM

[57] Abstract: This invention is directed to a method of removing dimethyl ether from an olefin stream. The method includes distilling the olefin stream so that the dimethyl ether is separated out of the olefin stream with propane. The olefin stream can then be further distilled to provide a polymer grade ethylene stream and polymer grade propylene stream, with each stream containing not greater than about 10 wppn dimethyl ether.

No. of claims: 37 No. of figures: 5

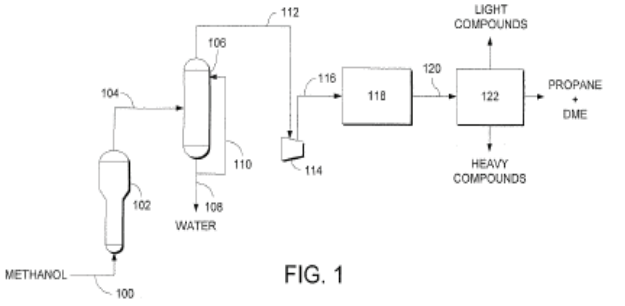


FIG. 1

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001501

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22728

Date of the Decision to Grant the Patent: 27/03/2011

[21] Application No.: GCC/P/2003/2966
[22] Filing Date: 12/10/2003
[30] Priority:

[31] Priority No.	[32] Priority date	[33] State
60/419.408	18/10/2002	US
10/338.601	08/01/2003	US

[72] Inventors: 1- Justin Leonard Krieger، 2- Jeffrey Scott Smith، 3- Keith H. Kuechler، 4- Nicolas P. Coute، 5- James R. Lattner
[73] Owner: Exxonmobil Chemical Patents Inc., 5200, Baytown, Bayway Drive, 77520 Texas, USA
[74] Agent: Saud M. A. Shawwaf

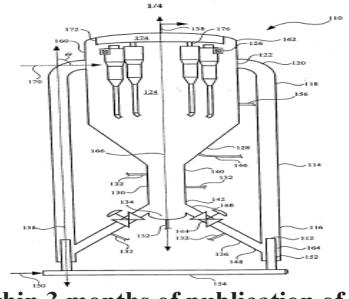
[51] Int.Cl[7]: C10G 2/00, 3/00; C07C 1/00, 51/00; B01J 8/38, 8/00
[56] Cited Documents:
- US 2847364 A (HIRSCH JOEL H) 12 August 1958
- WO 0185872 A (EXXONMOBIL CHEM PATENTS INC) 15 November 2001
- US 3205275 A (JOHNSON PAUL H) 07 September 1965
- WO 9901219 A (EXXON CHI,ICAL PATENTS INC) 14 January 1999

Examiner: Fahed Zoaid AlMutairi

[54] MULTIPLE RISER REACTOR WITH CENTRALIZED CATALYST RETURN

[57] Abstract: The present invention is directed to a hydrocarbon conversion apparatus and process. The apparatus comprises the following: a plurality of riser reactors, each having a first end into which a catalyst is fed, a second end through which the catalyst can exist, and optionally a center axis extending there between. The apparatus also includes a separation zone having a plurality of inlets, each inlets not being oriented along the center axes of the riser reactors, the separation zone being provided to separate the catalyst from products of a reaction conducted in the hydrocarbon conversion apparatus. A plurality of deviating members are also provided, each deviating member being in fluid communication between the second end of a respective riser reactor and respective inlet of the separation zone. The apparatus also includes a catalyst retention zone provided to contain catalyst, which is fed to the riser reactors. A catalyst return is in fluid communication between the separation zone and the catalyst retention zone.

No. of claims: 40 No. of figures: 7



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001502 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22724** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2005/4950 **[22] Filing Date: 26/07/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/909,014 30/07/2004 US** **[72] Inventors: 1- Doron Levin، 2- Nicolas P. Coute، 3- Shun Chong Fung، 4- Jose Guadalupe Santiesteban** **[73] Owner: Exxonmobil Chemical Patents Inc., 5200, Bayway Drive, Baytown, 77520, Texas, USA** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]:B01J 23/10, 29/85; C10G 3/00; C07C 1/20** **[56] Cited Documents:** **- WO 03/074177 A (EXXONMOBIL CHEMICAL PATENTS INC) 12 September 2003** **- WO 98/29370 A (EXXON CHEMICAL PATENTS INC) 09 July 1998** **- WO 2004/018392 A (EXXONMOBIL CHEMICAL PATENTS INC; CHISHOLM, PAUL, N; COUTE, NICOLAS, P;) 04 March 2004** **Examiner: Yahiya Naser Al-BuSafi**

[54] CONVERSION OF OXYGENATES TO OLEFINS

[57] Abstract: A process is described for converting an oxygenate-containing feedstock into one or more olefins in which the feedstock is contacted in a reaction zone with a fluidized bed of a particulate catalyst composition comprising a molecular sieve and at least one metal oxide having an uptake of carbon dioxide at 100°C of at least 0.03 mg/m^2 of the metal oxide whereby at least part of the feedstock is converted into a product stream comprising one or more olefins and a carbonaceous material is deposited on the catalyst composition to produce a coked catalyst composition. The coked catalyst composition is separated from the product stream and divided into at least first and second portions. The first portion of the coked catalyst composition is contacted with a regeneration medium in a regeneration zone under conditions to remove at least part of the carbonaceous material from the coked catalyst composition and produce a regenerated catalyst composition, which is subsequently recycled to the reaction zone. The second portion of the coked catalyst composition is also recycled to the reaction zone but without being initially contacted with a regeneration medium.

No. of claims: 20 No. of figures: 2

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001503

Number of the Decision to Grant the Patent: 11/22730

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Date of the Decision to Grant the Patent: 27/03/2011

[21] Application No.: GCC/P/2003/3059
[22] Filing Date: 30/11/2003
[30] Priority:

[31] Priority No.	[32] Priority date	[33] State
10/304.328	26/11/2002	US
60/437.698	31/12/2002	US
10/421.012	22/04/2003	US

[51] Int. Cl.[7]: C07C 1/20; B01J 8/18

[56] Cited Documents:
- US 6121504 A (LATTNER JAMES R et al.) 19 September 2000
- US 6482998 B1 (LATTNER JAMES R et al.) 19 September 2002
- US 6166282 A (MILLER LAWRENCE W) 26 December 2000
- US 2877747 A (HAPPELL JOHN J) 17 March 1959

[72] Inventors: 1- David R. Lumgair, Jr.، 2- Cor F. Van Egmond، 3- James H. Beech, Jr.،4- Ronald G. Searle
[73] Owner: Exxonmobil Chemical Patents Inc., 5200, Baytown, Bayway Drive, 77520 Texas, USA
[74] Agent: Saud M. A. Shawwaf

Examiner: Bander M. Al-Thobity

[54] TREATING OXYGENATE CONTAINING FEEDSTREAMS IN THE CONVERSION OF OXYGENATES TO OLEFINS

[57] Abstract: This invention is directed to removing contaminants from an oxygenate containing feedstream for an oxygenate to olefin system. Oxygenate feeds used in the conversion of oxygenate to olefins, and which contain contaminants, are heated to form a vapor stream and liquid stream. The heating is conducted so that a majority of the contaminants is contained in the liquid stream. The vapor stream is separated from the liquid stream, and the separated vapor stream is contacted with the metalloaluminophosphate molecular sieve catalyst to form olefin product. The heating of the feedstream and the separation of the vapor stream can be carried out in one or more stages.

No. of claims: 31 No. of figures: 2

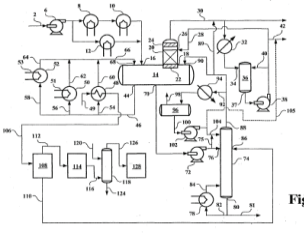


Fig. 1

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

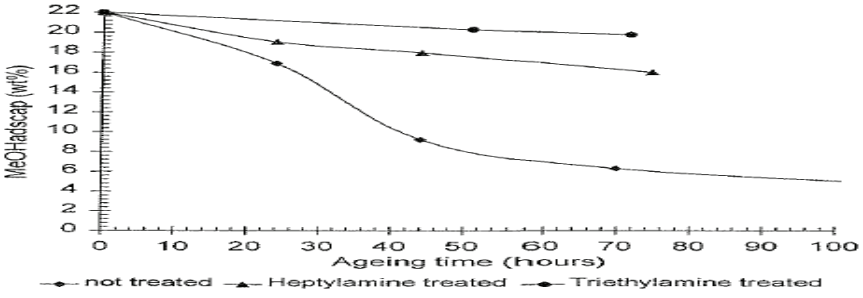
[12] Patent

[11] Patent No.: GC 0001504 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22744** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2003/2458 **[22] Filing Date: 25/01/2003** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/113.678 29/03/2002 US** **[72] Inventors: 1- Etienne Vansant، 2- Filip Mees** **[73] Owner: ExxonMobil Chemical Patents Inc. Bay way Drive, Baytown 5200,77520 Texas.USA** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: B01J2 9/84; B01J 29/85; C10G 3/00; B01J 29/00; C10G 3/00; (IPC1-7): B01J 29/82; B01J 29/85; B01J 33/00; C07C 1/20** **[56] Cited Documents:** **- WO 0180995 A (JANSSEN MARCEL J G ;OORSCHOT CORNELIUS W M VAN (BE) 01 November 2001** **- WO 0074848 A (EXXON CHEMICAL PATTENTS INC) 14 December 2000** **Examiner: Bander M. Al-Thobity**

[54] TREATMENT OF ACID CATALYSTS

[57] Abstract: The invention is directed to a method of stabilizing metalloaluminophosphosphate molecular sieves and catalysts derived thereform. In particular, the invention is directed to a method of treating such molecular sieves with one or more nitrogen containing compounds having a kinetic diameter greater than the average pore size of the activated molecular sieve and selected form the group consisting of amines, monocyclic heterocyclic compounds, organonitrile compounds and mixtures thereof to chemisorbed and/or physisorbed the compound onto the molecular sive. The compounds may be easily desorbed before or during use and after storage. The invention is also directed to formulating the molecular sieve into a catalyst useful in a process for producing olefin(s), preferably ethylene and/or propylene, from a feedstock, preferably an oxygenate containing feedstock.

No. of claims: 41 No. of figures: 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

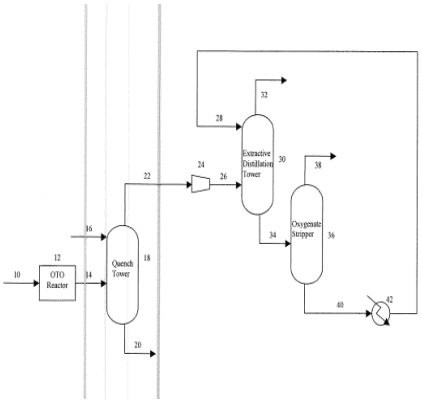
[12] Patent

[11] Patent No.: GC0001505 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/22742 Date of the Decision to Grant the Patent: 27/03/2011
[21] Application No.: GCC/P/2002/2172 [22] Filing Date: 14/08/2002 [30] Priority: [31] Priority No. [32] Priority date [33] State 09/943.695 31/08/2001 US [72] Inventors: 1- Dan E. Hendriksen، 2- Minquan Cheng، 3- Keith H. Kuechler، 4- David R. Lumgair, Jr.، 5- Michael Peter Nicoletti، 6- John Richard Shutt [73] Owner: Exxon Mobil Chemical Patents Inc., 5200, Baytown, Bayway Drive, 77520 Texas, USA [74] Agent: Saud M. A. Shawwaf	[51] Int. Cl.[7]: C07C 7/00, 7/04, 7/08 [56] Cited Documents: - US 2610704 A (PATTERSON JOHN A) 16 September 1952 - GB 1468104 A (SOCIETA` ITALIANA RESINE S.I.R.S.P.A) 23 March 1977 - US 3134726 A (HOCHGRAF NORMAN N) 26 May 1964 - GB 848927 A (BERGWERKSGESELLSCHAFT HIBERNIA AKTIENGESELLSCHAFT) 21 September 1960 Examiner: Bander M. Al-Thobity

[54] PROCESS OF REMOVING CONTAMINANTS FROM AN OLEFIN STREAM USING EXTRACTIVE DISTILLATION

[57] Abstract: Disclosed is a method of purifying olefin containing oxygenate contaminants. The method incorporates the use of extractive distillation. Under the appropriate conditions, olefins containing very low level of oxygenate contaminants can be recovered.

No. of claims: 21 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001506 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21557** **Date of the Decision to Grant the Patent: 21/02/2011**
[21] Application No.: GCC/P/1999/141 **[22] Filing Date: 27/04/1999** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **9807498,2 08/04/1998 GB** **[72] Inventors: 1- Samuel David Jackson ،2- David William Johnson ،3- John David Scott** **[73] Owner: IPMERIAL CHEMICAL INDUSTRIES PLC, Imperial Chemical house, Millbank, SW 1 B 3 G, London, United Kingdom** **[74] Agent: Hassan AlMulla**	**[51] Int. Cl.[7]: B01J 23/04, 21/08, 35/10; C07C 57/04, 51/353, 51/347, 51/09, 67/343, 69/54** **[56] Cited Documents:** **- US 845070 A (MONTAG RUTH A) 04 July 1989** **- US 4990662 A (HAGEN et al.) 05 February 1991** **- US 3933888 A (SCHILAEFER FRANCIS W) 20 January 1076** **- EP 0227461 A (NIPPON CATALYTIC CHEM IND) 01 July 1987** **- YOO J S: APPLIED CATALYSIS A: GENERAL Vol. 102, 1993, Pages 215-232, XP002108650** **Examiner: Yahiya Naser Al-BuSafi**

[54] PRODUCTION OF UNSATURATED ACIDS OR ESTERS THEREOF AND CATALYSTS THEREFOR

[57] Abstract: The production of ethylenically unsaturated acids or esters by the catalytic reaction of an alkanoic acid or ester, especially methyl propionate, with formaldehyde, and a catalyst therefor wherein the catalyst comprises a porous high surface area silica containing 1-10% by weight of an alkali metal, especially cesium, (expressed as metal) and having oxides of at least one modifier element selected from boron, magnesium, aluminium, zirconium and hafnium dispersed in the pores of said silica in such amount that the catalyst contains a total of 0.25 to 2 gram atoms of primary modifier element per 100 moles of silica.

No. of claims: 13

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001507 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/22464 Date of the Decision to Grant the Patent: 20/03/2011
[21] Application No.: GCC/P/2006/6763 [22] Filing Date: 12/08/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 0516752.3 13/08/2005 GB 0615120.3 28/07/2006 GB [72] Inventor: Simon John Rhodes [73] Owner: FLOWNETIX LIMITED, Unit P,Rose Business Estate, Marlow Bottom, Berkshire, SL7,3ND,United Kingdom [74] Agent: Saud M. A. Shawwaf Law Office	[51] Int. Cl.[7]: G01F1/66; G01F1/66 [56] Cited Documents: - GB 2266373 A (BRITISH GAS PLC [GB]) 27 October 1993 Examiner: Ebrahim Al-Obody

[54] LOW POWER ULTRASONIC FLOW MEASUREMENT

[57] Abstract: There is described a method of ultrasonic flow measurement for measuring a flow speed of a fluid in a conduit, the method comprising: providing an ultrasonic flow meter comprising a microprocessor, a clock, and a pair of ultrasonic transducers operable to transmit signals through the fluid and to receive the transmitted signals; switching the ultrasonic flow meter from a passive state to an active state at time intervals measured by the clock, an amount of power used by the ultrasonic flow meter in the passive state being less than an amount of power used by the ultrasonic flow meter in the active state; performing an ultrasonic flow measurement cycle; and switching the ultrasonic flow meter from the active state to the passive state following completion of an ultrasonic flow measurement cycle. There is also described an ultrasonic flow meter for measuring a flow speed of a fluid in a conduit.

No. of claims: 19 No. of figures: 4

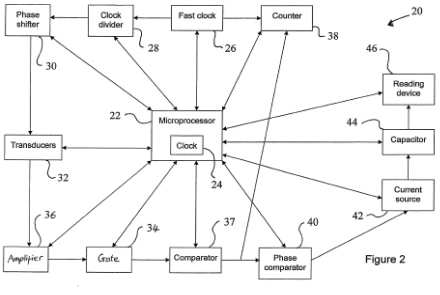


Figure 2

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001508 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22759** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2003/2872 **[22] Filing Date: 27/08/2003** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/408,704 06/09/2002 US** **[72] Inventors: 1- CHRISTOPHE MELLON، 2- CHUN SING LI، 3- BERNARD L. HIRSCHBEIN، 4- CHITRA BASKARAN، 5- SERGE LEGER، 6- MICHEL THERIEN، 7- JAMES T. PALMER، 8- VOUY - LINH TRUONG، 9- MICHAEL J. GREEN، 10- CHEUK LAU، 11- JAMES W. JANC، 12- JACQUES YVES GAUTHIER، 13- CHRISTOPHER I. BAYLY، 14- DAN MCKAY، 15- CAMERON BLACK** **[73] Owners: 1- MERCK FROSST CANADA & CO, 1959 Upper Water Street, suite 800 Halifax, Nova Scotia, B3J 3N2, Canada ، 2- AXYS PHARMACEUTICALS, INC, 180 Kimball Way, South San Francisco, California 94080, USA** **[74] Agent: Nassir Ali Kadasa**	**[51]Int. Cl.[7]: C07D 213/89** **[56] Cited Documents:** **- ALESANDRO VOLONTERIO et al. Solution/solid-phase Synthesis of Partially Modified retro [NHCH(CF3)]-peptidyl Hydroxamates Tetrahedron Letters 2001** **Examiner: Nada Al-behaiji**

[54] CATHEPSIN CYSTEINE PROTEASE INHIBITORS

[57] Abstract: This invention relates to a novel class of compounds which are cysteine protease inhibitors, including but not limited to, inhibitors of cathepsins K, L, S and B. These compounds are useful for treating diseases in which inhibitions of bone resorption is indicated, such as osteoporosis

No. of claims: 26

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

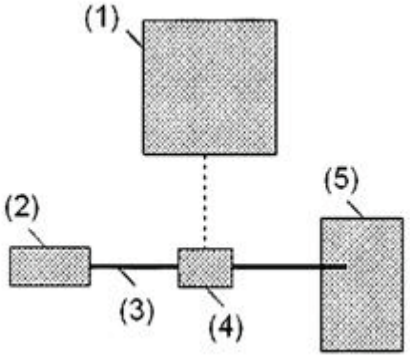
[12] Patent

[11] Patent No.: GC 0001509 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21831 Date of the Decision to Grant the Patent: 11/03/2011
[21] Application No.: GCC/P/2007/7745 [22] Filing Date: 07/02/2007 [30] Priority: [31] Priority No. [32] Priority date [33] State 10 2006 005 860.7 09/02/2006 DE [72] Inventors: 1- Dietmar EBERHARD، 2- Jean -Michel ASFOUR، 3- Stephan VOLKENING، 4- Wolfgang RIEDEL، 5- Hardy JUNGERMANN، 6- Stephan SCHNEIDER، 7- Dominik GIEL [73] Owner: Bayer Innovation GmbH,Merowingerplatz 1, D 40225 Dusseldorf,Germany [74] Agent: Nassir Ali Kadasa	[51] Int. Cl.[7]: G03H 1/26, 1/08/ 1/16 [56] Cited Documents: - HAGEN R et al.: "Photoaddressable Polymers for Optical Data Storage" ADVANCED MATERIALS, WILEY VCH, WEINHEIM, DE, Vol. 13, No. 23, 03 December 2001 Examiner: Mousa'ab A. AlFadhala

[54] METHOD AND APPARATUS FOR THE PRODUCTION OF POLARIZATION HOLOGRAMS

[57] Abstract: The present invention relates to a method for the production of polarization holograms, an apparatus for the production of polarization holograms and the use of the polarization holograms according to the invention as data stores, security features or diffractive optical elements for performing conventional optical functions.

No. of claims: 4 No. of figures: 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001510 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21111** **Date of the Decision to Grant the Patent: 07/02/2011**
[21] Application No.: GCC/P/2006/6075 **[22] Filing Date: 10/04/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/137,180 25/04/2005 US** **[72] Inventors: 1- Masao Takayama، 2- Jeffrey L. Boike، 3- James E. Rekoske، 4- Kouji Hara، 5- Nobuyuki Aoi، 6- Tao Wang، 7- Dean E. Rende، 8- Jeffery C. Bricker** **[73] Owner: CELANESE INTERNATIONAL CORPORATION,1601 West LBJ Freeway, Dallas Texas, 75234,U.S.A** **[74] Agent: Nasser Ali Kadasa**	**[51] Int. Cl.[7]: B01J 23/44; B01J 23/52; B01J 37/025; C07C 67/055** **[56] Cited Documents:** **- US 6849243 B1 (HAGEMEYER ALFRED et al.) 01 February 2005** **Examiner: Ali ahmed Almlla**

[54] LAYERED COMPOSITION AND PROCESSES FOR PREPARING AND USING THE COMPOSITION

[57] Abstract: A layered composition which can be used in various processes has been developed. The composition comprises an inner core such as a cordierite core and an outer layer comprising a refractory inorganic oxide, a fibrous component and an inorganic binder. The refractory inorganic oxide layer can be alumina, zirconia, titania, etc. while the fibrous component can be titania fibers, silica fibers, carbon fibers, etc. The inorganic oxide binder can be alumina, silica, zirconia, etc. The layer can also contain catalytic metals such as gold and platinum plus other modifiers. The layered composition is prepared by coating the inner core with a slurry comprising the refractory inorganic oxide, fibrous component, an inorganic binder precursor and an organic binding agent such as polyvinyl alcohol. The composition can be used in various hydrocarbon conversion processes including production of vinyl acetate.

No. of claims: 28 No. of figures: 0

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001511

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22777

Date of the Decision to Grant the Patent: 27/03/201

[21] Application No.: GCC/P/2002/1994
[22] Filing Date: 14/05/2002
[30] Priority:
[31] Priority No. [32] Priority date [33] State
60/290.861 14/05/2001 US

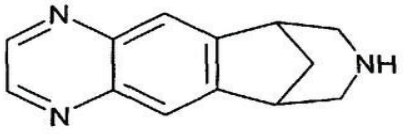
[72] Inventors: 1- PETER ROBERT ROSE ،2- DAVID EVERETT BOGLE ،3- GLENN ROBERT WILLIAMS
[73] Owner: PFIZER PRODUCTS INC, Eastern Point Road,06340 Connecticut, USA
[74] Agent: Nassir Ali kadasa

[51]Int. Cl.[7]: A61K 31/495
[56] Cited Documents:
- EP 1078637 A (PFIZER PROD INC) 28 February 2001
- WO 9935131 A (PFIZER PROD INC; BROOKS PAIGE ROANNE PALMER 9US0; COE JOTHAM WADSW) 15 July 1999

Examiner: Ibrahim Abdullah Al-Malki

[54] TARTRATE SALTS OF 5,8,14-TRIAZATETRACYCLO[10.3.1.02,11.04,9]-HEXADECA-211,3,5,7,9-PENTAENE AND PHARMACEUTICAL COMPOSITIONS THEREOF

[57] Abstract:The present invetion is directed to the tartrate salts of 5,8,14-triazatetracyclo [10.3.1.$0^{2,11}$.$0^{4,9}$]-hexadeca-2(11),3,5,7,9-pentaene of formula (1):



(1)

and pharmaceutical compositions thereof. The present invetion in particular is directed to the L-tartrate salt, and further to the various polymorphs of the L-tartrate salt, including two distinct anhydrous polymorphs (referred to herein as Forms A and B) and a hydrate polmorph (referred to hrein as Form C). In addition, the present invention is also directed to the D-tartrate salt of 5,8,14-triazatetracyclo [10.3.1.$0^{2,11}$.$0^{4,9}$]-hexadeca-2(11),3,5,7,9-pentaene and the various polmorphs tereof; as well as the D,L-tartrate salt thereof and its polymorphs, and the meso-tartrate salt thereof and its polymorphs.

No. of claims: 15 No. of figures: 11

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

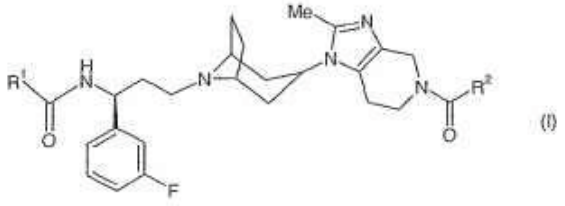
(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001512	**Number of the Decision to Grant the Patent: 11/22766**
[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	**Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2004/3846 **[22] Filing Date: 28/09/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0323236.0 03/10/2003 GB** **0325020.6 27/10/2003 GB** **0418566.6 19/08/2004 GB** **[72] Inventor: Paul Anthony STUPPLE** **[73] Owner: PFIZER INC., 235 East,42nd Street, 10017 New York, USA** **[74] Agent: Nassir Ali kadasa**	**[51]Int. Cl.[7]: C07D 471/04** **[56] Cited Documents:** **- WO 01/90106 A (PRICE DAVID ANTHONY; PFIZER LTD (GB)) 29 November 2001** **- WO 00/38680 A (EDWARDS MARTIN PAUL; PFIZER LTD (GB)) 06 July 2000** **Examiner: Nada Al-behaiji**

[54] TROPNAE DERIVATIVES

[57] Abstract: The present invention provides compounds of formula (I)



(I)

wherein R<1> and R<2> are as defined hereinabove. The compounds of the present invention are modulators, especially antagonists, of the activity of chemokine CCR5 receptors. Modulators of the CCR5 receptor may be useful in the treatment of various inflammatory diseases and conditions, and in the treatment of infection by HIV HIV and genetically related retroviruses.

No. of claims: 24

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001513

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22736

Date of the Decision to Grant the Patent: 27/03/2011

[21] Application No.: GCC/P/2005/4858
[22] Filing Date: 29/06/2005
[30] Priority:

[31] Priority No.	[32] Priority date	[33] State
60/585.274	02/07/2004	US
60/646.103	21/01/2005	US

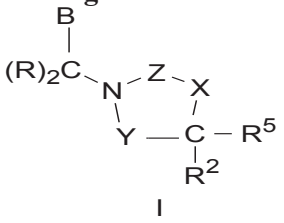
[72] Inventors: 1- Gayle E. Taylor،2- Nazia Quraishi،3- Zhijian Lu،4- Cameron J. Smith،5- Christopher F. Thompson،6- Joann M. Napolitano،7- Qiaolin Deng،8- Peter J. Sinclair،9- Amjad Ali،10- Julianne A. Hunt
[73] Owner: MERCK & CO. INC., 126 East Lincoln, Avenue, New Jersey, 07065, Rahway, USA
[74] Agent: Nassir Ali Kadasa

[51] Int. Cl.[7]: C07D 263/20, 263/22, 207/26, 185/10, 401/04, 413/04, 413/06; A61K 31/4015, 31/4166, 31/433, 31/4439; A61P 3/06
[56] Cited Documents:
- US 6380430 B1 (GANTE H et al.) 30 April 2002
- WO 0242291 A1 (CHEVEUIL O et al) 30 May 2002
- WO 0038724 A1 (SEARLE & CO G D et al.) 06 July 2000

Examiner: Majed I.Al-Rufayyig

[54] CETP INHIBITORS

[57] Abstract: Compounds having the structures of Formula I, including pharmaceutically acceptable salts of the compounds, are CETP inhibitors, and are useful for raising HDL-cholesterol, reducing LDL-cholesterol, and for treating or preventing atherosclerosis:



I

In the compounds of Formula I, B or R^2 is a phenyl group which has an ortho aryl, heterocyclic, benzoheterocyclic or benzocycloalky substituent, and one other position on the 5-membered ring has an aromatic, heterocyclic, cycloalkyl, benzoheterocyclic or benzocycloalky substituent connected directly to the ring or attached to the ring through a $-CH_2-$.

No. of claims: 13

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

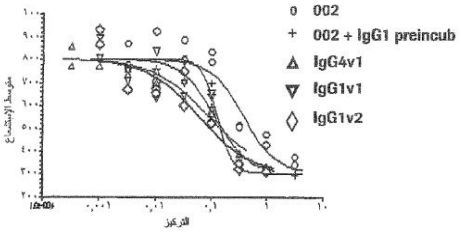
[12] Patent

[11] Patent No.: GC0001514	**Number of the Decision to Grant the Patent: 11/22775**
[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	**Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2005/4531 **[22] Filing Date: 10/04/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **04008722.3 13/04/2004 EP** **[72] Inventors: 1- Yvo Graus، 2- Jacques Himber، 3- Miranda Jansen – Molenaar، 4- Dorothee Kling، 5- Paul Parren، 6- Anne Stern ،7- Martine van Vugt، 8- Kay -Gunnar Stubenrauch، 9- Jan van de Winkel، 10- Erhard Kopetzki،11- Beat Steiner، 12- Pamela Strein، 13- Frank Rebers** **[73] Owner: F. HOFFMANN - LA ROCHE AG, 124 Grenzacherstrasse, CH-4070, Basle, Switzerland** **[74] Agent: Nassir Ali kadasa**	**[51] Int. Cl.[7]: A61K 39/395** **[56] Cited Documents:** **- WO 94/25067 A (CYTEL CORPORATION; CHESNUT, ROBERT, W; POLLEY MARGARET, J; PAULSON, J) 10 November 1994** **Examiner: Ibrahim Abdullah Al-Malki**

[54] ANTI-P-SELECTIN ANTIBODIES

[57] Abstract:This invention relates to anti-P-selectin antibodies and, in particular, to anti-P-selectin antibodies and variants thereof that contain an Fc part derived from human origin and do not bind complement factor Clq. These antibodies have new and inventive properties causing a benefit for a patient suffering from critical limb ischemia or peripheral arterial occlusive disease (CLI/PAOD).

No. of claims: 16 No. of figures: 6



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001515 **[45] Date of Publishing the Grant of the Patent:** **30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22755** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2005/5124 **[22] Filing Date: 07/09/2005** **[72] Inventors: 1- Hiroshi HACHIYA، 2- masahiro togo** **[73] Owner: Asahi Kasei Chemicals Corporation, 1-2, Yuraku-cho 1-chome, Chiyoda-ku, Tokyo 100-8440, Japan** **[74] Agent: Nassir Ali Kadsa**	**[51] Int. Cl.[7]: C07C 27/02, 29/128, 31/20, 68/06, 69/96** **[56] Cited Documents:** **- EP 1174406 A1 (ASAHI KASEI KABUSHIKI KAISHA OSAKA-SHI) 23 January 2002** **Examiner: Yahiya Naser Al-BuSafi**

[54] METHOD FOR PRODUCING A DIALKYL CARBONATE AND A DIOL

[57] Abstract: A method for producing a dialkyl carbonate and a diol, comprising: (a) effecting a transesterification reaction between a cyclic carbonate and an aliphatic monohydric alcohol in the presence of a trasesterification catalyst, thereby obtaining a reaction mixture containing a product dialkyl carbonate and a product diol, (b) withdrawing a dialkyl carbonate-containing liquid from the reaction mixture, followed by separation of dialkyl carbonate from the dialkyl carbonate-containing liquid, and (c) withdrawing a diol-containing liquid from the reaction mixture, followed by separation of the diol from the diol-containing liquid, wherein the cyclic carbonate contains a cyclic ether in an amount of from 0.1 to 3,000 ppm by weight, and the product dialkyl carbonate contains a carbonate ether of not more than `0,000 ppm by weight.

No. of claims: 8 No. of figures: 1

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

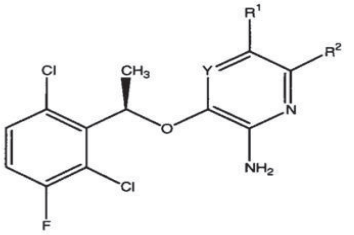
(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001516 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22793** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2005/5074 **[22] Filing Date: 24/08/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/605.086 26/08/2004 US** **[72] Inventors: 1- Lee Andrew FUNK، 2- Jingrong Jean CUI، 3- Pei-Pei KUNG, 4- Michelle Bich TRAN - DUBE، 5- Jerry Jialun MENG، 6- Mitchell David NAMBU، 7- Hong SHEN، 8- Mason Alan PAIRISH، 9- Lei JIA** **[73] Owner: PFIZER INC., 235 East,42nd Street, 10017 New York, USA** **[74] Agent: Nassir Ali kadasa**	**[51] Int.Cl.[7]: C07D241/20** **[56] Cited Documents:** **- EXPERT OPINION ON INVESTIGATIONAL DRUGS 2004 UNITED KINGDOM, 2004, Vol.13, No.1, Pages 1-19** **Examiner: Ibrahim Abdullah Al-Malki**

[54] ENANTIOMERICALLY PURE AMINOHETEROARYL COMPOUNDS AS PROTEIN KINASE INHIBITORS

[57] Abstract: Enantiomerically pure compound of formula (I):



(I)

are provided, as well as methods for their synthesis and use. Preferred compounds are potent inhibitors of the c-Met protein kinase, and are useful in the treatment of abnormal cell growth disorders, such as cancers.

No. of claims: 5

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001517

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22785

Date of the Decision to Grant the Patent: 27/03/2011

[21] Application No.: GCC/P/2005/4717
[22] Filing Date: 29/05/2005
[30] Priority:

[31] Priority No.	[32] Priority date	[33] State
60/584469	01/07/2004	US
102004032129.9	01/07/2004	DE
102005013039.9	18/03/2005	DE
60/662804	18/03/2005	US

[51] Int. Cl.[7]: C07C 51/25; C07C 45/35; C07C 51/16; C07C 51/16; C07C 45/00

[72] Inventors: 1- Gotz-Peter Schindler, 2- Claus Hechler, 3- Otto Machhammer, 4- Christoph Adami, 5- Martin Dieterle
[73] Owner: BASF AKTIENGESELLSCHAFT, 67056 Ludwigshafen, Germany
[74] Agent: Nassir Ali kadasa

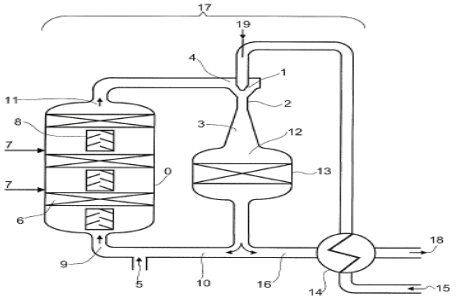
[56] Cited Documents:
- WO 01/96270 A (BASK AKTIENGESELLSCHAFT; MACHHAMMER, OTTO; SCHINDLER, GOETZ-PETER;TEN) 20 December 2001

Examiner: Bander M. Al-Thobity

[54] PREPARATION OF ACROlEIN OR ACRYLIC ACID OR A MIXTURE THEREOF FROM PROPANE

[57] Abstract: Preparation of acrolein or acrylic acid or a mixture thereof from propane, in which the propane is initially dehydrogenated under heterogeneous catalysis to give propene, secondary components are removed and the remaining gas mixture, comprising propane and propene, is subjected to the heterogeneously catalyzed partial oxidation to acrolein or acrylic acid or a mixture thereof as the target product, target product is removed from the product gas mixture and the remaining residual gas, comprising excess oxygen and unconverted propane , is recycled into the propane dehydrogenation in such a way that other propane fed to the dehydrogenation is at least partly converted under dehydrogenation conditions at the recycle point.

No. of claims: 41 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001518 **[45] Date of Publishing the Grant of the Patent:** **30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21878** **Date of the Decision to Grant the Patent: 11/03/2011**
[21] Application No.: GCC/P/2005/4649 **[22] Filing Date: 11/05/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/584.469 01/07/2004 US** **102004032129.9 01/07/2004 DE** **[72] Inventors: 1- Martin Dieterle، 2- Klaus Joachim Muller-Engel، 3- Armin Diefenbacher، 4- Claus Hechler، 5- Ulrich Hammon** **[73] Owner: BASF AKTIENGESELLSCHAFT, 67056 Ludwigshafen, Germany** **[74] Agent: Nassir Ali kadasa**	**[51]Int. Cl.[7]: C07C 57/05** **[56] Cited Documents:** **- DE 10313209 A1 (BASF AG) 04 March 2004** **Examiner: Ebrahim M AL-Qurashi**

[54] PREPARATION OF ACRYLIC ACID BY HETEROGENEOUSLY CATALYZED PARTIAL GAS PHASE OXIDATION OF PROPYLENE

[57] Abstract: The present invention relates to process for preparing acrylic acid by two-stage heterogeneously catalyzed partial gas phase oxidation of propylene, in which the propylene source used is a preceding propane dehydrogenation and in which the first oxidation stage is operated with restricted propylene conversion, and unconverted propane and propylene present in the product gas mixture of the second partial oxidation stage are recycled substantially into the preceding propane dehydrogenation.

No. of claims: 41

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001519 **[45] Date of Publishing the Grant of the Patent:** **30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22789** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2005/4935 **[22] Filing Date: 24/07/2005** **[72] Inventors: 1- Shinsuke FUKOKA، 2- Kazuhiko MATSUZAKI، 3- Hiroshi HACHIYA** **[73] Owner: Asahi Kasei Chemicals Corporation, 1-2, Yuraku-cho 1-chome, Chiyoda-ku, Tokyo 100-8440, Japan** **[74] Agent: Nassir Ali Kadasa**	**[51] Int. Cl.[7]: C07C68/06; 69/96, 68/08; B01D3/00; C07B61/00** **[56] Cited Documents:** **- JP 4-100824 A (ASAHI CHEMICAL INDUSTRY CO., LTD) 02 April 1992** **- WO 91/9832 A1(ASAHI CHEMICAL INDUSTRY CO., LTD) 11 July 1991** **- JP 2003-516376 A (GENERAL ELECTRIC CO) 13 May 2003** **Examiner: Fahed Zoaid AlMutairi**

[54] INDUSTRIAL PROCESS FOR PRODUCTING AN AROMATIC CARBONATE

[57] Abstract: It is an object of the present invention to provide, for the case of continuously producing aromatic carbonates containing a diaryl carbonates as a main product by taking an alkyl aryl carbonates as starting material, which is obtainable through a transesterification reaction between a dialkyl carbonate and an aromatic monohydroxy compound, using a continuous multi-stage distillation column in which a catalyst is present, and continuously feeding the starting material into the diaryl carbonate to be produced with high selectivity and high productivity stably for a prolonged period of time on an industrial scale of not less than 1 ton per hour. Although there have been various proposals regarding processes for the production of aromatic carbonates by means of a reactive distillation method, these have all been on a small scale and short operating time laboratory level, and there have been no disclosures whatsoever on a specific process or apparatus enabling mass production on an industrial scale. According to the present invention, there is provided a specified continuous multi-stage distillation column, and there is also provided a specific process that enables a diaryl carbonates to be produced with high selectivity and high productivity stably for a prolonged period of time on an industrial scale of not less than 1 ton per hour from an alkyl aryl carbonate.

No. of claims: 31

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

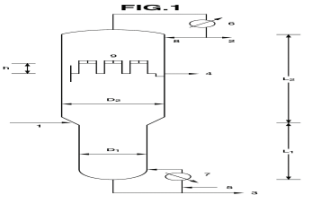
[12] Patent

[11] Patent No.: GC0001520	**Number of the Decision to Grant the Patent: 11/22781**
[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	**Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2007/7579 **[22] Filing Date: 09/01/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **2006-002711 10/01/2006 JP**	**[51]Int. Cl.[7]: C07C 27/02, 29/128, 29/80, 31/20, 68/06, 69/96; B01D 3/14, 3/16, 3/22, 3/32; C07B 61/00** **[56] Cited Documents:** **- WO 00/51954 A1 (ASAHI CHEMICAL INDUSTRY CO., LTD) 08 September 2000** **- JP 2004-131394 A (ASAHI KASEI CHEMICALS CORP) 30 April 2004** **- JP 9-183744 A (ASAHI CHEMICAL INDUSTRY CO., LTD) 26 July 1997** **- JP 9-183744 A (ASAHI CHEMICAL INDUSTRY CO., LTD) 15 July 1997**
[72] Inventors: 1- Hiroshi HACHIYA، 2- Shinsuke FUKUOKA، 3- Kazuhiko MATSUZAKI، 4- Hironori MIYAJI **[73] Owner: Asahi Kasei Chemicals Corporation, 1-2, Yuraku-cho 1-chome, Chiyoda-ku, Tokyo 100-8440, Japan** **[74] Agent: Nassir Ali kadasa**	**Examiner: Fahed Zoaid AlMutairi**

[54] INDUSTRIAL PROCESS FOR PRODUCTION OF HIGH-PURITY DIOL

[57] Abstract: **It is an object of the present invention to provide a specific apparatus and process for producing a high-purity diol by taking a cyclic carbonate and an aliphatic monohydric alcohol as starting materials, continuously feeding the starting materials into a continuous multi-stage distillation column A in which a catalyst is present, carrying out reactive distillation in the column A, continuously withdrawing a low boiling point reaction mixture A_T containing a produced dialkyl carbonate and the aliphatic monohydric alcohol from an upper portion of the column A in a gaseous form, continuously withdrawing a high boiling point reaction mixture A_B containing a produced diol from a lower portion of the column A in a liquid form, continuously feeding the high boiling point reaction mixture A_B into a continuous multi-stage distillation column C, distilling off material having a lower boiling point than that of the diol contained in the high boiling point reaction mixture A_B as a column top component C_T and / or a side cut component C_S so as to obtain a column bottom component C_B, continuously feeding the column bottom component C_B into a continuous multi-stage distillation column E, and obtaining the diol as a side cut component E_S from a side cut outlet of the continuous multi-stage distillation column E. Moreover, it is an object to thus provide a specific industrial apparatus and industrial production process that are inexpensive and, for example, enable the high-purity diol to be produced in an amount of not less than 1 ton / hr stably for a prolonged period of time (e.g. not less than 1000 hours, preferably not less than 3000 hours, more preferably not less than 5000 hours). The above objects can be attained by using a continuous multi-stage distillation column E having a specified structure, and withdrawing a liquid component from the side cut outlet, which is installed at the bottom of a chimney tray having a specified structure installed in an enrichment section of the continuous multi-stage distillation column E.**

No. of claims: 29 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

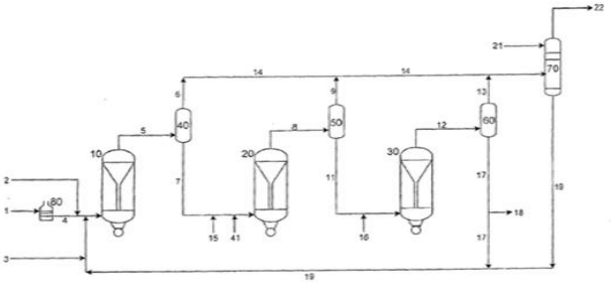
[12] **Patent**

[11] Patent No.: GC0001521 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21802** **Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2006/7392 **[22] Filing Date: 13/12/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/303,426 16/12/2005 US** **[72] Inventors: 1- Bruce Reynolds، 2- Darush Farshid** **[73] Owner: Chevron U.S.A. Inc., 555 Market Street, San Francisco, 94105, California, USA** **[74] Agent: Saud M. A. Shawwaf**	**[51]Int. Cl.[7]: C10G65/02, 65/00** **[56] Cited Documents:** **- US 6190542B1(HYDROCARBON TECHNOLOGIES, INC) 20 February 2001** **Examiner: Abdallah Ibrahim AL-Khatib**

[54] PROCESS FOR UPGRADING HEAVY OIL USING A HIGHLY ACTIVE SLURRY CATALYST COMPOSITION

[57] Abstract: Applicants have developed a new residuum full hydroconversion slurry reactor system that allows the catalyst, unconverted oil and converted oil to circulate in a continuous mixture throughout an entire reactor with no confinement of the mixture. The mixture is partially separated in between the reactors to remove only the products and hydrogen gas, while permitting the unconverted oil and the slurry catalyst to continue on into the next sequential reactor. A portion of the unconverted oil is then converted to lower boiling point hydrocarbons, once again creating a mixture of unconverted oil, products, hydrogen, and slurry catalyst. Further hydroprocessing may occur in additional reactors, fully converting the oil. Additional oil may be added at the interstage feed inlet, possibly in combination with slurry.; The oil may alternately be partially converted, leaving a highly concentrated catalyst in unconverted oil which can be recycled directly to the first reactor.

No. of claims: 20 No. of figures: 6



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001522

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22783

Date of the Decision to Grant the Patent: 27/03/2011

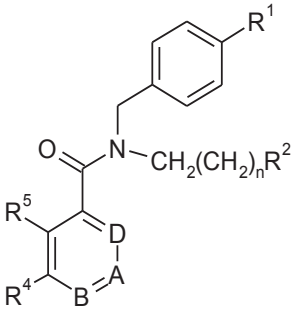
[21] Application No.: GCC/P/2007/7734
[22] Filing Date: 06/02/2007
[30] Priority:
[31] Priority No. [32] Priority date [33] State
06101370.2 07/02/2006 EP
[72] Inventors: 1- Holger Kuehne، 2- Werner Mueller، 3- Cyrille Maugeais، 4- Patrizio Mattei ،5- Philippe Pflieger، 6- Thomas Luebbers،7 - Aurelia Conte
[73] Owner: F. HOFFMANN - LA ROCHE AG, 124 Grenzacherstrasse, CH-4070, Basle, Switzerland
[74] Agent: Nassir Ali Kadasa

[51] Int. Cl.[7]: C07C 233/65, 233/66, 233/66, 233/73, 213/40, 213/61, 213/81, 213/82, 213/16, 239/28; C07F 7/08; A61K 31/166, 31/455, 31/4402, 31/4409, 31/506
[56] Cited Documents:
- WO 2005/100298 A (MERK & CO INC [US]; ALI AMJAD [US]; BOHN JOANN [US]; DENG QIAOLIN [US) 27 October 2005

Examiner: Fahed Zoaid AlMutairi

[54] BENZAMIDE AND HETEROARENE DERIVATIVES

[57] Abstract: Compounds of formula I



(I)

wherein R^1, R^2, R^4, R^5, A, B, D and n are as defined, and pharmaceutically acceptable salts thereof, processes for their preparation, their use as pharmaceuticals and pharmaceutical compositions comprising them.

No. of claims: 14

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

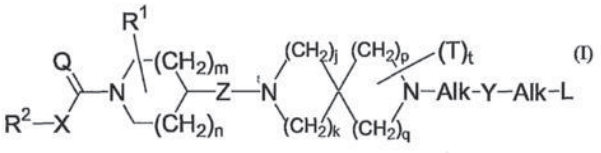
(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001523 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22771** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2005/4510 **[22] Filing Date: 04/04/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **2004/050457 06/04/2004 EP** **[72] Inventors: 1- Coupa, Sophie، 2- Poncelet, Alain Philippe، 3- Janssens, Frans Eduard، 4- Simonnet, Y van Rene Ferdinand،5- Schoentjes, Bruno** **[73] Owner: JANSSEN PHARMACEUTICA N. V., Turnhoutseweg 30, B-2340 Beerse, Belgium** **[74] Agent: Nassir Ali Kadasa**	**[51]In. Cl[7]: C07D 471/10** **[56] Cited Documents:** **- US 6169097 B1 (JANSSENS et. al.) 02 January 2001** **- US 6197772 B1 (JANSSENS et. al.) 06 March 2001** **Examiner: Ibrahim Abdullah Al-Malki**

[54] SUBSTITUTED DIAZA-SPIRO-[5.5]-UNDECANE DERIVATIVES AND THEIR USE AS NEUROKININ ANTAGONISTS

[57] Abstract: This invention concerns substituted diaza-spiro-[5.5]-undecane derivatives having neurokinin antagonistic activity, in particular NK_1 antagonistic activity, a combined NK_1/NK_2 antagonistic activity, a combined NK_1/NK_3 antagonistic activity and a combined $NK_1/NK_2/NK_3$ antagonistic activity, their preparation, compositions comprising them and their use as a medicine, in particular for the treatment and/or prophylaxis of schizophrenia, emesis, anxiety and depression, irritable bowel syndrome (IBS), circadian rhythm disturbances, pre-eclampsia, nociception, pain, in particular visceral and neuropathic pain, pancreatitis, neurogenic inflammation, asthma, COPD and micturition disorders such as urinary incontinence. The compounds according to the invention can be represented by general Formula (I):



and comprises also the pharmaceutically acceptable acid or base addition salts thereof, the stereochemically isomeric forms thereof, the *N*-oxide form thereof and prodrugs thereof, wherein all substituents are defined as in Claim 1.

No. of claims: 16

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

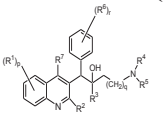
(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

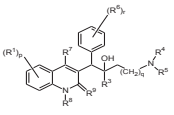
[12] Patent

[11] Patent No.: GC0001524 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/22764 Date of the Decision to Grant the Patent: 27/03/2011
[21] Application No.: GCC/P/2003/2796 [22] Filing Date: 23/07/2003 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/398.711 25/07/2002 US [72] Inventors: 1- GUILLEMONT, JEROME EMILE GEORGES، 2- POIGNET, HERVE JEAN JOSEPH، 3- VENET, MARC GASTON، 4- VERNIER DANIEL F J،5- VAN GESTEL, JOZEF FRANS ELISABETHA،6- DECRANE, LAURENCE FRANCOISE BERNADETTE،7- Odds, Frank Christopher [73] Owner: JANSSEN PHARMACEUTICA N. V., Turnhoutseweg 30, B-2340 Beerse, Belgium [74] Agent: Nassir Ali kadasa	[51]Int. CI.[7]: C0D401/12 [56] Cited Documents: - WO 00 34265 A (SEPRACOR INC.) 15 June 2000 - US 596572 A (WILLIAM Y. ELLIS et al.) 12 October 1999 - WO 9937635 A (SMITHKLINE BEECHAM PLC) 29 July 1999 Examiner: Nada Al-Behiji

[54] MYCOBACTERIAL INHIBITORS

[57] Abstract:The present invention relates to novel substituted quinoline derivatives according to the general Formula (Ia) or the general Formula (Ib)





the pharmaceutically acceptable acid or base addition salts thereof, the stereochemically isomeric forms thereof, the tautomeric forms thereof and the *N*-oxide forms thereof. The claimed compounds are the pharmaceutically acceptable acid or base addition salts thereof, the stereochemically isomeric forms thereof, the tautomeric forms thereof and the *N*-oxide forms thereof. The claimed compounds are useful for the treatment of mycobacterial diseases, particularly those diseases caused by pathogenic mycobacteria such as *Mycobacterium tuberculosis, M. bovis, M. avium and M. marinum*. In particular, compounds are claimed in which, independently from each other, R^1 is bromo, p=1, R^2 is alkyloxy, R^3 is optionally substituted naphthyl or phenyl, q=1, R^4 and R^5 each independently are hydrogen, methyl or ethyl, R^6 is hydrogen, r is equal to 0 or 1 and R^7 is hydrogen. Also claimed is a composition comprising a pharmaceutically acceptable carrier and, as active ingredient, a therapeutically effective amount of the claimed compounds, the use of the claimed compounds or compositions for the manufacture of a medicament for the treatment of mycobacterial diseases and a process for preparing the claimed compounds.

No. of claims: 46

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

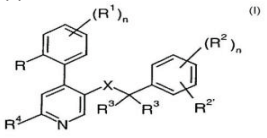
(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001525 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/22769 Date of the Decision to Grant the Patent: 27/03/2011
[21] Application No.: GCC/P/2002/2123 [22] Filing Date: 09/07/2002 [30] Priority: [31] Priority No. [32] Priority date [33] State 01116812.7 10/07/2001 EP [72] Inventors: 1- TORSTEN HOFFMANN، 2- ALAN JOHN NIMMO، 3- ANDREW SLEIGHT ،4- PIERRE VANKAN،5- ROBERT VINK [73] Owner: F. HOFFMANN- LA ROCHE AG, 124 Grenzacherstrasse, CH-4070, Basle, Switzerland [74] Agent: Nassir Ali Kadasa	[51]Int. Cl.[7]: A61K31/435, 25/28 [56] Cited Documents: - US 6225316 B1 (BOES MICHAEL et al.) 01 May 2001 - EP 1103545 A (HOFFMANN LA ROCHE) 30 May 2001 - EP 1103546 A (HOFFMANN LA ROCHE) 30 May 2001 - EP 1035115 A (HOFFMANN LA ROCHE) 13 September 2000 - US 4745123 A (BUTLER DONALD E et al.) 17 May 1988 - US 5607957 A (HIPSKIND PHILIP A) 04 March 1997 - WO 0125219 A (GLAXO GROUP LTD; GIOVANNINI RICCARDO (IT); ST DENIS YVES (IT); ALV) 12 April 2001 - EP 0721778 A (PFIZER) 17 July 1996 - WO 0152844 A (VINK ROBERT; NIMMO ALAN JOHN (AU); UNIV JAMES COOK (AU)) 26 July 2001 Examiner: Ibrahim Abdullah Al-Malki

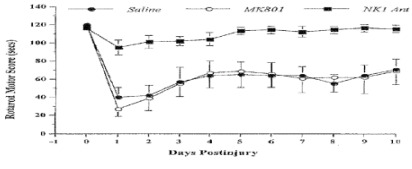
[54] THE USE OF NK-1 RECEPTOR ANTAGONISTS FOR THE TREATMENT OF BRAIN, SPINAL OR NERVE INJURY

[57] Abstract: The invention relates to the use of an NK-1 receptor antagonist, optionally in combination with a magnesium salt, for the treatment and/or prevention of brain, spinal or nerve injury, wherein said NK-l receptor antagonist is a compound of the general formula (I):



wherein the meanings of R, R^1, R^2, $R^{2'}$, R^3, R^4 are explained in the specification and the pharmaceutically acceptable acid addition salts and the prodrugs thereof either alone or in combination with a magnesium salt. Exemplified is the use of N-(3,5-bis-trifluoromethyl-benzyl)-N-methyl-6-(4-methyl-piperazin-l-yl)-4-o-tolyl-nicotinamide. The invention also relates to pharmaceutical composition comprising one or more such NK-l receptor antagonists, optionally in combination with a magnesium salt, and a pharmaceutically acceptable excipient for the treatment and prevention of brain, spinal or nerve injury.

No. of claims: 18 No. of figures: 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

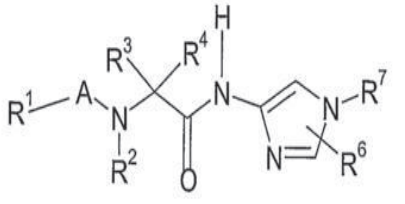
(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001526 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22773** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2005/4432 **[22] Filing Date: 16/03/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/555.623 23/03/2004 US** **[72] Inventors: 1- Michael Aaron BRODNEY ،2- Karen Jean COFFMAN** **[73] Owner: PFIZER PRODUCTS INC., Eastern Point Road, Connecticut 06340, USA** **[74] Agent: Nassir Ali kadasa**	**[51]In. Cl.^{7}: C07D 233/88** **[56] Cited Documents:** **- WO 02/10141 A (PFIZER PRODUCTS INC; AHLIJANIAN, MICHAEL, KIRK; COOPER, CHRISTOPHER, B) 07 February 2002** **- WO 00/49037 A (ELI LILLY AND COMPANY; DODGE, JEFFREY, ALAN; LUGAR, CHARLES, WILLIS, I) 24 August 2000** **Examiner: Ibrahim Abdullah Al-Malki**

[54] IMIDAZOLE COMPOUNDS FOR THE TREATMENT OF NEURODEGENERATIVE DISORDERS

[57] Abstract: The present invention relates to compounds of the Formula (I):



(I)

wherein R^1, R^2, R^3, R^4, R^5, R^6, R^7 and A are as defined. Compounds of the Formula (I) have activity inhibiting production of Aβ-peptide. The invention also relates to pharmaceutical compositions and methods for treating diseases and disorders, for example, neurodegenerative and/or neurological disorders, e.g., Alzheimer's disease, in a mammal comprising compounds of the Formula (I).

No. of claims: 20

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

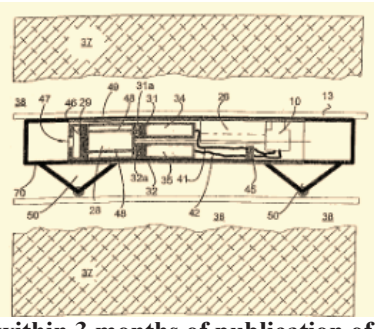
[12] Patent

[11] Patent No.: GC 0001527 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21882** **Date of the Decision to Grant the Patent: 11/03/2011**
[21] Application No.: GCC/P/2007/7906 **[22] Filing Date: 10/03/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/372.490 09/03/2006 US** **[72] Inventors: 1- BRINK, David Ian، 2- HEIJNEN, Wilhelmus Hubertus Paulus Maria** **[73] Owner: MAERSK OLIE OG GAS A/S, Esplanaden 50,dk-1263 Copenhagen k, DENMARK** **[74] Agent: Nassir Ali Kadasa**	**[51] Int. Cl.[7]: E21B 33/13** **[56] Cited Documents:** **- US 3456504 A (BOMBARDIERI CAURINO C) 22 July 1969** **- GB 2397599 A (SCHLUMBERGER HOLDINGS [VG]) 28 July 2004** **- US 3153449 A (LEBOURG MAURICE P) 20 October 1964** **- US 3174547 A (FIELDS ROGER Q) 23 March 1965** **- US 5195588 A (DAVE YOGESH S [US]) 23 March 1993** **- US 6371221 B1 (HARRIGAN EDWARD [US] et al.) 16 April 2002** **Examiner: Mousa'ab A. AlFadhala**

[54] AN ASSEMBLY FOR CUTTING INTO A WELL TUBULAR

[57] Abstract: The invention relates to an assembly for cutting into a well tubular, the assembly comprising: a main tool body (18); a first member (1) and a second member (3). The members (1,3) are interconnected and both having an axis about which they are able to rotate; a motor being connected to said first member (1), said first member having a part (16) being adapted for cutting engagement with said well tubular. said second member (3) being connected to the main tool body (18) by a frictional connection (18, 9, 7) the two members being interconnected by threads such that a torque applied by said motor (5) to said first member (1) provides an axial displacement of said first (1) member for cutting engagement with the well tubular.

No. of claims: 7 No. of figures: 6



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

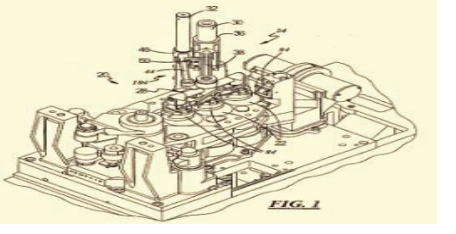
[12] Patent

[11] Patent No.: GC0001528 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21880** **Date of the Decision to Grant the Patent: 11/03/2011**
[21] Application No.: GCC/P/2007/9241 **[22] Filing Date: 20/10/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/581.139 13/10/2006 US** **[72] Inventor: Paul B. Mohr** **[73] Owner: OWENS - BROCKWAY Glass Container Inc. One Michael Owens Way Perrysburg, OH43551-2999, U.S.A** **[74] Agent: Nassir Ali kadasa**	**[51] Int. Cl.[7]: CO3B 9/16,9/193, 9/36** **[56] Cited Documents:** **- US 4466821 A (IRWIN GEORGE W [US] et al) 21 August 1984** **- US 3561941 A (DAHMS FRANCIS A) 9 February 1971** **Examiner: Mousa'ab A. AlFadhala**

[54] BAFFLE SYSTEM FOR BLANK MOLDS OF A GLASSWARE FORMING MACHINE

[57] Abstract: A baffle system for blank molds of a glassware forming machine includes a first shaft (30) mounted for movement in the direction of its axis and for rotation around its axis. A baffle arm (38) is mounted to the first shaft and a manifold (60) is suspended from the baffle arm. A plurality of baffle holders (78, 80, 82) are suspended from the manifold, and rocker arms (106, 108, 124) interconnect the baffle holders for equalizing forces applied by the baffle holders to the blank molds of a glassware forming machine. A second shaft (32) is adjacent to the first shaft and a link arm (44) extends between the second shaft and the manifold. The baffle arm, the manifold and the link arm form a linkage that moves the baffle holders between a first position overlying the blank molds and a second position spaced from the blank molds. Disposition of the rocker arms between the manifold and the baffle holders permits the manifold to be folded under the baffle arm in the second position of the baffle arm, the manifold and the baffle holders. The link arm preferably is coupled to the second shaft for longitudinal and pivotal movement on the second shaft, and a wear block (50) preferably is carried by the baffle arm and engages the link arm adjacent to the second shaft for supporting the link arm during movement of the link arm on the second shaft.

No. of claims: 11 No. of figures: 9



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] **Patent**

[11] Patent No.: GC0001529 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22734** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2007/8889 **[22] Filing Date: 14/08/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **06119043.5 16/08/2006 EP** **[72] Inventors: 1- Ernst Kusters، 2- Michael Mutz،3- Frank Stowasser** **[73] Owner: Novartis AG, 35 Lichtstrasse, 4056 Basel, Switzerland** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: C07D4 93/04, A61K 31/425, A61K 35/00** **[56] Cited Documents:** **- EP 1428826 A2 (NOVARTIS AG [CH]; NOVARTIS PHARMA GMBH [AT]) 16 June 2004** **- WO 02/14323 A2 (SQUIBB BRISTOL MYERS CO [US]; DIMARCO JOHN D [US]; GOUFOUTAS JACK Z [U) 21 February 2002** **Examiner: Majed I.Al-Rufayyig**

[54] CRYSTAL FORMS OF EPOTHILONE B AND THEIR USAGE IN THE PRODUCTION PF PHARMACEUTICAL COMPOSITIONS

[57] Abstract: The invention relates to new crystal forms of epothilone B.

No. of claims: 5

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001530

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22738

Date of the Decision to Grant the Patent: 27/03/2011

[21] Application No.: GCC/P/2007/7662
[22] Filing Date: 24/01/2007
[30] Priority:

[31] Priority No.	[32] Priority date	[33] State
60/761.637	24/01/2006	US

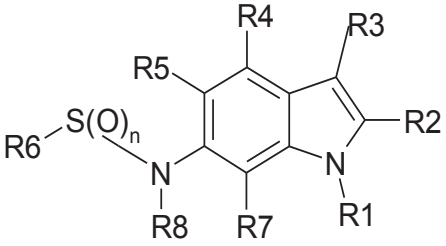
[72] Inventors: 1- Jose Eduardo Lopez، 2- Jeffrey Alan Dodge، 3- Christian Alexander clarke، 4- Timothy Ivo Richardson، 5- Kuo-Long Yu، 6- Scott alan Jones، 7- Charles Willis Lugar، 8- Brian Stephen Muehl، 9- Ying Kwong Yee، 10- Thomas John Bleisch
[73] Owner: Eli Lilly and Company, Lilly Corporate Center, City of Indianapolis, 46185, State of India, USA
[74] Agent: Saud M. A. Shawwaf

[51] Int. Cl.[7]: C07D 209/10, A61K 31/404, A61P 35/00
[56] Cited Documents:
- WO 2005/013976 A (ESTEVE LABOR DR [ES]; MERCE VIDAL RAMON [ES]; CODONY SOLER XAVIER [ES]) 17 February 2005
- US 2003/195244 A1 (HSIEH HSTING-PANG [TW] et al.) 16 October 2003
- WO 00/66554 A (AMERICAN HOME PROD [US]; LIGAND PHARM INC [US]; ULLRICH JOHN W [US]; F) 09 November 2000

Examiner: Majed I.Al-Rufayyig

[54] INDOLE SULFONAMIDE MODULATORS OF PROGESTERONE RECEPTORS

[57] Abstract: Compounds of Formula I



wherein n is 1 or 2, and R1, R2, R3, R4, R5, R6, R7, and R8 are as defined herein, their preparation, pharmaceutical compositions, and methods of use are disclosed.

No. of claims: 15

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001531 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21587** **Date of the Decision to Grant the Patent: 27/02/2011**
[21] Application No.: GCC/P/2005/4657 **[22] Filing Date: 14/05/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **04076446.6 17/05/2004 EP** **[72] Inventors: 1- KESSEL, VAN Matthijas، 2- MCCARTHY Mary، 3- MEIJERS Roman Hubertus Anna Maria، 4- NOOIJEN Godefridus Arnoldus Henricus** **[73] Owner: Sabic Polyethylenes B.V., 1 Poststraat, KR 6135, SITTARD, HOLLAND** **[74] Agent: Suleiman I. Al-Ammar**	**[51]Int. Cl.7: C08F 210/00** **[56] Cited Documents:** **- US 6465586 B2 (MCDANIEL MAX P et al.) 15 October 2002** **- US 6174981 B1 (COUTANT WILLIAM R et al.) 16 January 2001** **- US 6204346 B1 (MCDANIEL MAX P et al.) 20 March 2001** **- US 6201077 B1 (MCDANIEL MAX P et al.) 13 March 2001** **- EP 0909769 A (PHILIPS PETROLEUM CO) 21 April 1999** **- EP 0848021 A (PHILIPS PETROLEUM CO) 17 June 1998** **- US 5527867 A (BERGMEISTER JOSEPH J) 18 June 1996** **- US 5274056 A (MCDANIEL MAX P et al) 28 December 1993** **Examiner: Ebrahim M AL-Qurashi**

[54] A PROCESS FOR THE PREPARATION OF AN ETHYLENE COPOLYMER

[57] Abstract: The invention relates to a process for the preparation of an ethylene copolymer by polymerizing ethylene and at least one alpha-olefin in the presence of a chromium-containing catalyst and a diluent. In the first step of the polymerization ethylene and/or propylene and optionally at least one alpha-olefin comprising 3 to 12 carbon atoms are polymerized with a chromium containing catalyst in an inert diluent in the absence of an alkyl-containing promoter and in a second step, after 2-650 grams of polymer per gram of catalyst have been produced in the first step, the polymerization of ethylene and alpha-olefin takes place in the presence of an alkyl-containing promoter.

No. of claims: 8

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

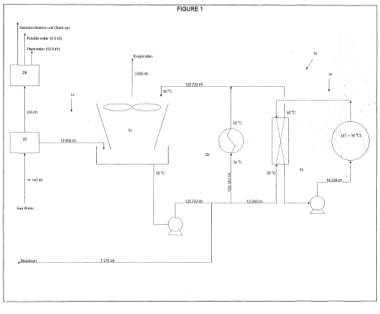
[12] Patent

[11] Patent No.: GC0001532 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21586** **Date of the Decision to Grant the Patent: 27/02/2011**
[21] Application No.: GCC/P/2005/4672 **[22] Filing Date: 18/05/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **ZAP05/1588 23/02/2005 ZA** **ZAP04/3895 20/05/2004 ZA** **[72] Inventors: 1- SHAW, Gareth, David, Huntley، 2- CLUR, Desmond, Johann** **[73] Owner: The Petroleum oil and Gas Corporation of South Africa (pty) Ltd., Portswood Square, 2 Foyer, Dock Road, 8002, Cape Town, South Africa** **[74] Agent: Suleiman I. Al-Ammar**	**[51]Int. Cl.[7]: F28B 9/06** **[56] Cited Documents:** **- PATENT ABSTRACTS OF JAPAN Vol. 2002, No. 12, 12 December 2002 - & JP 2002 221395 A (EBARA CORP) 09 August 2002** **- PATENT ABSTRACTS OF JAPAN Vol. 2000, No. 25 - & JP 2001 228288 A (TOSHIPA CORP) 24 August 2001** **- PATENT ABSTRACTS of JAPAN Vol. 1998, No. 08, 30 June 1998- & JP 10061411 A (TOSHIPA CORP) 03 March 1998** **Examiner: Ebrahim M AL-Qurashi**

[54] COOLING WATER PLANT FOR A NATURAL GAS CONVERSION COMPLEX

[57] Abstract: The invention provides a cooling method for a natural gas conversion complex. The method includes the steps of circu'ating sea water in a first, open, cooling circuit; contacting the sea water with a heat exchanger to absorb heat; cooling the sea water from the outflow of the heat exchanger; circulating fresh water in a second, c'osed, cooling circuit; and contacting the fresh water with the heat exchanger to lose heat.

No. of claims: 7 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001533	Number of the Decision to Grant the Patent: 11/21585
[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Date of the Decision to Grant the Patent: 27/02/2011
[21] Application No.: GCC/P/2005/4786 [22] Filing Date: 15/06/2005 [30] Priority: [31] Priority No. [32] Priority date [33] State 10/869,598 16/06/2004 US	[51]Int. Cl.[7]: F25J 1/00, 3/00 [56] Cited Documents: - US 6460350 B2 (Johnson et al.) 08 October 2002 - US 6112549 A (Yao et al.) 05 September 2000 - US 6564579 B1 (McCartney) 20 May 2003 - US 5515681 A (Housnmand) 01 April 1997 - US 5755114 A (Foglletta) 28 May 1998 - US 5139458 A (Llu et al.) 18 August 1992 - US 4548629 A (Chiu) 22 October 1985 - EP 0520307 B1 (Llu) 28 February 1996 - WO 9527179 A1 (Dubar) 12 October 1995
[72] Inventors: 1- YAO, Jame‹2- COOK, Dennis‹3- QUALLS, Wesley R.‹4- EATON, Anthony P. [73] Owner: CONOCOPHILLIPS COMPANY, 600 North Dairy Ashford, Texas 77079, Houston, USA [74] Agent: Suleiman I. Al-Ammar	Examiner: Ebrahim M AL-Qurashi

[54] LNG SYSTEM WITH ENHANCED TURBOEXPANDER CONFIGURATION

[57] Abstract: Natural gas liquefaction system employing a turboexpander to convert excess pressure within a predominantly methane stream into work useable in another location within the liquefaction system. Primarily, the turboexpander is used to compress a refrigerant used in at least one of the refrigeration cycles within the liquefaction system.

No. of claims: 60 No. of figures: 1

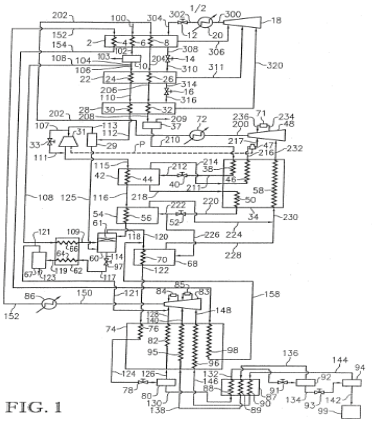


FIG. 1

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001534 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22732** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2007/7578 **[22] Filing Date: 09/01/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **PCT/US2006/000588 10/01/2006 PCT** **[72] Inventors: 1- Naoyuki Morooka، 2- Yuichi Hara، 3- Yoshihiro Soeda، 4- Andy Haishung Tsou** **[73] Owner: Exxon Mobil Chemical Patents Inc., 5200, Baytown, Bayway Drive, 77520 Texas, USA** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: B60C 1/00; B32B 25/08** **[56] Cited Documents:** **- US5633065 A (MATSUKURA et al.) 27 May 1997** **Examiner: Fahed Zoaid AlMutairi**

[54] LAMINATE OF THERMOPLASTIC POLYMER COMPOSITION HAVING LOW AIR PERMEABILITY AND PNEUMATIC TIRE USING SAME AS INNER LINER

[57] Abstract: A laminate (C) of a thermoplastic polymer composition comprising: a thermoplastic resin composition (A) having an permeation coefficient of 20 x 10^{-12} cc .cm/cm^2 sec. cmHg or less, laminated with a thermoplastic polymer composition (B) having a melt viscosity of 500 - 2000 Pa. s and a Young's modulus at a room temperature of 1 - 400 MPa, wherein the thickness of a layer of the thermoplastic resin composition (A) is 0.05 - 10 µm and the air permeation coefficient of the laminate (C) of 20 x 10^{-12} cc .cm/cm^2 sec. cmHg or less, and a pneumatic tire using the above laminate (C) as an inner liner

No. of claims: 20

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001535

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22715

Date of the Decision to Grant the Patent: 26/03/2011

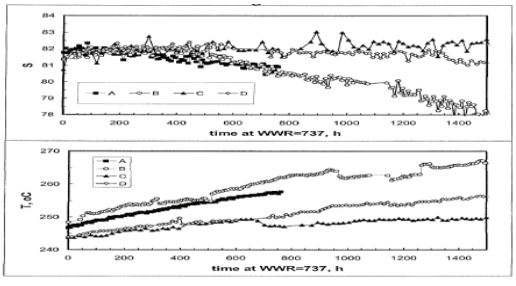
[21] Application No.: GCC/P/2006/6213
[22] Filing Date: 03/05/2006
[30] Priority:
[31] Priority No. [32] Priority date [33] State
11/124.645 09/05/2005 US
[72] Inventor: SERGUEI PAK
[73] Owner: SD Lizenzverwertungsgesllschaft mbH & Co. KG, Lenbachplatz 6, 80333 Munich, Germany
[74] Agent: Ahmed najdat bazarbashe

[56] Int. Cl.[7]: C07D 301/ 03(2006.01), 301/10(2006.01); B01J 23/00(2006.01), 21/00(2006.01), 20/00(2006.01), 27/224(2006.01)
[56] Cited Documents:
- US 3,518,206 A (SOWARDS et al.) 30 June 1970
- US 6,147,027 A (MIYAKE et al.) 14 November 2000
- US 6,143,057 A (BULOW et al.) 07 November 2000
- US 6,288,008 B1 (MATSUMOTO) 11 September 2001
- US 6,267,932 B1(NILSSON) 31 July 2001
- US 5,629,258 A (SUESS et al.) 13 May 1997
- US 4,803,189 A (SWARS) 07 February 1989
- US 3,966,646 A (NOAKES et al.) 29 June 1976
- US 6,750,173 B2 (RIZKALLA et al.) 15 June 2004
Examiner: Bander M. Al-Thobity

[54] NANOMETER SCALE RESTRUCTURING OF ALUMINA CARRIER SURFACE AND CATALYSTS FOR THE PRODUCTION OF ALKENE OXIDES

[57] Abstract: A carrier and a catalyst useful for the oxidation of ethylene to ethylene oxide which uses the carrier. The carrier is composed of an inert, refractory solid support such as alpha alumina and has a surface exhibiting a plurality of nanometer scale protrusions projecting outwardly from the surface, and has a catalytically effective amount of silver thereon.

No. of claims: 21 No. of figures: 6



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

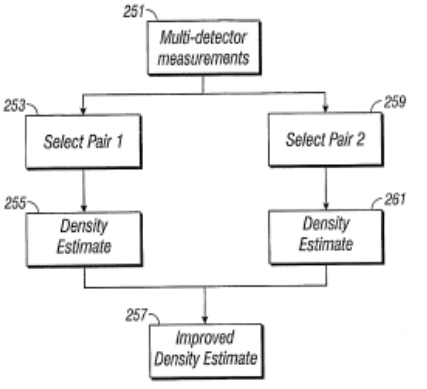
[12] Patent

[11] Patent No.: GC 0001536 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21815** **Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2006/6046 **[22] Filing Date: 04/04/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/115,792 27/04/2005 US** **[72] Inventor: GILCHRIST W. Allen** **[73] Owner: Baker Hughes Incorporated, Essex Lane, Suite 1200,3900, P.O Box 4740,Texas 77210-4740, Houston, USA** **[74] Agent: Saba & Co. T.M.P**	**[51] Int. Cl.[7]: G01V 5/10** **[56] Cited Documents:** **- US 5825024 A (CHEVRON U.S.A INC.) 20 October 1998** **- US 5659169 A (WESTER ATLAS INTERNATIONAL , INC.) 19 August 1997** **Examiner: Mohammed A. Aljaffar**

[54] METHOD AND APPARATUS FOR AN IMPROVED FORMATION DENSITY INDICATOR USING PULSED NEUTRON INSTRUMENTS

[57] Abstract: A pulsed neutron source is used in a density logging tool with three or more detectors. This enables compensation for source variations and provides redundant measurements that are used to make borehole corrections and/or corrections for casing.

No. of claims: 91 No. of figures: 5



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

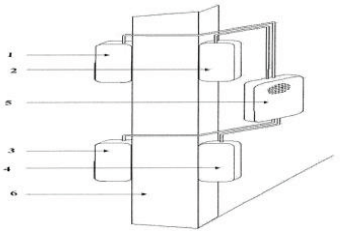
[12] Patent

[11] Patent No.: GC 0001537 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21817 Date of the Decision to Grant the Patent: 10/03/2011
[21] Application No.: GCC/P/2006/6678 [22] Filing Date: 26/07/2006 [72] Inventor: Mohammed A. M. Al-Khamees [73] Owner: Mohammed A. M. Al-Khamees, P.O Box 75151-11578 Riyadh, KSA	[51] Int. Cl.[7]: G08B 13/08, 21/08, 23/00 [56] Cited Documents: - US 5473310 A (JOSEPH Y.KO) 05 December 1995 - US 20030234728 A1 (JOSEPH Y. KO) 25 December 2003 - GB 2396237 A (KEITH ROYSTON GIBBS) 16 June 2004 Examiner: Mohammed A. Aljaffar

[54] ALERT SYSTEM AGAINST THE PRESENCE OF CHILDREN IN A PLACE WHERE THEY SHOULD NOT BE ALONE

[57] Abstract: The present invention comprises four move sensors at least, fixed in the place where children are not supposed to be without adult's supervision. Two of the sensors are consecutively fixed at the same height that is equal to the average height of an adult, and the other two sensors are consecutively fixed at a height that is equal to the average height of a child. When an adult enters the place he would pass in front of sensor 1 then sensor 2, so the counter connected to them would count the presence of an adult, upon this; the work of the alert system would be suspended as the children's counter is lower than adult's counter. When a child passes in front of the third sensor and the fourth sensor, the counter connected to the two mentioned sensors would count the number of children entering the place. When the adults get out of the place he will pass in front of sensor 2 then sensor 1 which decrease the adult counter by one; when a child get out of the place, he will pass in front of sensor 4 then sensor 3. When the value of the adult's counter is zero and the value of the children's counter is at least one, thus the alert system will start to let out a loud alert sound.

No. of claims: 6 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

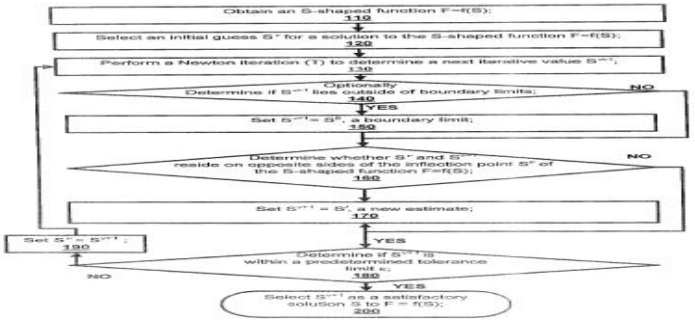
[12] Patent

[11] Patent No.: GC 0001538 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/22466 Date of the Decision to Grant the Patent: 20/03/2011
[21] Application No.: GCC/P/2006/5959 [22] Filing Date: 15/03/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/662.416 15/03/2005 US 60/662.414 15/03/2005 US [72] Inventors: 1- Hamdi A. Tchelpi، 2- Patrick Jenny، 3- Seong H. Lee [73] Owner: Chevron U.S.A. Inc., Market States, San Francisco 555, California 94105,USA [74] Agent: Saud M. A. Shawwaf	[51] Int. Cl.[7]: G06G 7/48; G06G 7/00 [56] Cited Documents: - US2005/0172699A1 (HU Lin- Ying et al.) 11 August 2005 - US 2005/0133261A (SCHLUMBERGER TECHNOLOGY CORPORATION) 23 January 2005 Examiner: Ebrahim Al-Obody

[54] STABLE METHOD SND APPARATUS FOR SOLVING S-SHAPED NON-LINEAR FUNCTIONS UTILIZING MODIFIED NEWTON-RAPHSON ALGORITHMS

[57] Abstract: An apparatus and method are provided for solving a non-linear S-shaped function F=f(S) which is representative of a property S in a physical system, such saturation in a reservoir simulation. A Newton iteration (T) is performed on the function f(S) at S^v to determine a next iterative value S^{v+1}. It is then determined whether S^{v+1} is located on the opposite side of the inflection point S^c from S^v. If S^{v+1} is located on the opposite side of the inflection point from S^v, then S^{v+1} ;is set to S^1, a modified new estimate. The modified new estimate, S^1, is preferably set to either the inflection point, S^c, or to an average value between S^v and S^{v+1}, i.e., $S^1=0.5(S^v+ S^{v+1})$. The above steps are repeated until S^{v+1} is within the predetermined convergence criteria.; Also, solution algorithms are described for two-phase and three-phase flow with gravity and capillary pressure.

No. of claims: 13 No. of figures: 24



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

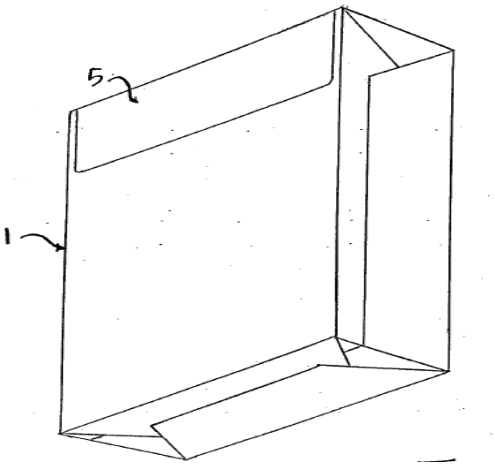
[12] Patent

[11] Patent No.: GC 0001539 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21909** **Date of the Decision to Grant the Patent: 12/03/2011**
[21] Application No.: GCC/P/2001/1381 **[22] Filing Date: 21/05/2001** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0012469.3 23/03/2000 GB** **[72] Inventor: Andrew Jonathan Bray** **[73] Owner: British American Tobacco (Investments) Limited of Globe House, 1 Water Street, London WC2R 3LA, United Kingdom** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: B65D 75/58, 85/10** **[56] Cited Documents:** **- WO 1999/28212 A1 (ROTHMANS INTERNATIONAL LTD [GB]; PARKER MICHAEL PATRICK [GB]) 10 June 1999** **Examiner: Mousa'ab A. AlFadhala**

[54] SMOKING ARTICLE PACKAGING

[57] Abstract: The invention relates to a smoking article package, which package comprises a sealed enclosure around a charge of smoking articles and a sheet material wrap disposed exteriorly of the enclosure. The sheet material wrap is so configured as to provide means by which the first opening of the enclosure cannot take place without the wrap being torn or partially or fully removed.

No. of claims: 19 No. of figures: 7



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] **Patent**

[11] Patent No.: GC0001540 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21905** **Date of the Decision to Grant the Patent: 12/03/2011**
[21] Application No.: GCC/P/2002/2154 **[22] Filing Date: 31/07/2002** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/309,388 01/08/2001 US** **60/309.435 01/08/2001 US** **10/011,841 30/10/2001 US** **[72] Inventors: 1- James N. Figlar، 2- Brian E. Tucker، 3- F. Kelley St. Charles** **[73] Owner: Brown & Williamson Tobacco Corporation,1500 Brown & Williamson Tower Louisville, KentuckY 40202,USA** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: A24D 3/12** **[56] Cited Documents:** **- BE 647 803 A (FLAMAND) 12 November 1964** **- US 2 815 760 A (THEO SCHREUS HANS et al.) 10 December 1957** **- US 3 280 823 A (ABRAHAM BAVLEY et al.) 25 October 1966** **- US 4 033 361 A (HORSEWELL HENRY GEORGE et al.) 5 July 1977** **- US 3 716 500 A (LITZINGER E) 13 February 1973** **- GB 878 457 A (AREND JACOB VAN BUUREN) 27 September 1961** **Examiner: Mousa'ab A. AlFadhala**

[54] CIGARETTE FILTER

[57] Abstract: A cigarette filter that includes a multiple section filter which reduces the level of predetermined smoke constituents. The filter consists of a fibrous filter plug located at the mouth-end of the cigarette, a section containing a selective adsorbent material, and a section containing a general adsorbent material. The selective adsorbent material, such as a phenol- formaldehyde resin matrix surface-functionalized with mainly primary and secondary amine functional groups, removes specific smoke constituents from the tobacco smoke. The general adsorbent material, such as activated charcoal, is preferably capable of adsorbing a range of chemical compounds without a high degree of specificity. Structurally, the fibrous filter plug, the selective adsorbent section, and the general adsorbent section are co-axially aligned in tandem.

No. of claims: 31 No. of figures: 8

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

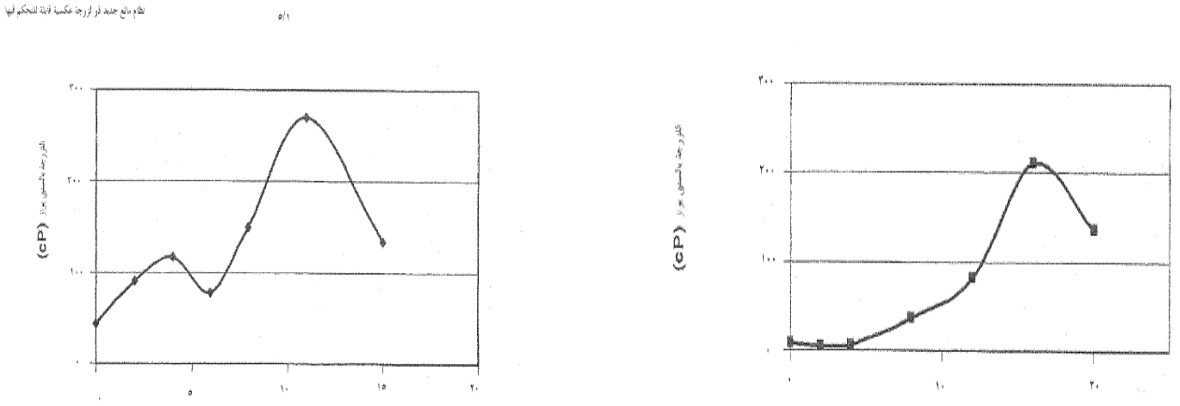
[12] Patent

[11] Patent No.: GC 0001541 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21907** **Date of the Decision to Grant the Patent: 12/03/2011**
[21] Application No.: GCC/P/2002/2388 **[22] Filing Date: 14/12/2002** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/343,145 21/12/2001 US** **10/065,144 20/09/2002 US** **[72] Inventors: 1- Frank F. Chang، 2- Diankui Fu** **[73] Owners: 1- Schlumberger Technology B.V., Parkstraat 83-89, 2514 JG, The Hauge, The Netherlands** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: E21B 43/27; E21B 43/25** **[56] Cited Documents:** **- WO 01 29369 A (SCHLUMBERGER TECHNOLOGY CORP) 26 April 2001** **Examiner: Mousa'ab A. AlFadhala**

[54] A NOVEL FLUID SYSTEM HAVING CONTROLLABLE REVERSIBLE VISCOSITY

[57] Abstract: This Invention relates to methods of treating a subterranean hydrocarbons reservoir comprising contacting the formation with a treating fluid comprising an aqueous solution, an acid, a surfactant acting as gelling agent essentially consisting of erucylamidopropyl betaine (or a protonated/deprotonated homolog or salt thereof). The treating fluid may further comprise a lower n-alcohol for improved temperature stability.

No. of claims: 7 No. of figures: 8



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

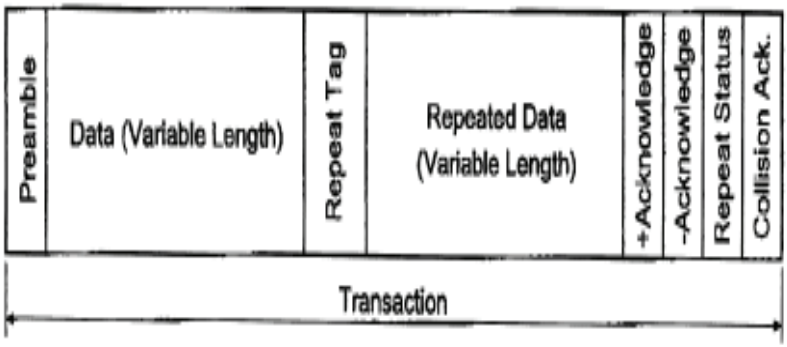
[12] Patent

[11] Patent No.: GC 0001542 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21788** **Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2004/3713 **[22] Filing Date: 08/08/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **2003904167 08/08/2003 AU** **[72] Inventors: 1- Donald Murray Terrace، 2- Ashleigh Glen QUICK** **[73] Owner: Clipsal Integrated Systems Pty Ltd, Park Terrace, Bowden, 5007 12, South Australia , Australia** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: H04B 7/14** **[56] Cited Documents:** **- US 2001-231078 A (NIPPON TELEGRAPH & TELEPHONE CORP.) 24 August 2001** **- US 5040175 A (TUCH et al.) 13 August 1991** **Examiner: Mohammed A. Aljaffar**

[54] RADIO NETWORK COMMUNICATION SYSTEM AND PROTOCOL USING AN AUTOMATIC REPEATER

[57] Abstract: A radio frequency communications network 10 system and protocol for allowing the dissemination of data to be shared by devices A,B within the network. The invention is particularly useful when the devices are out of transmission range of each other. The network 10 includes the use of repeater devices 40 located between the devices A,B to manage the data transfer in the network. The invention also provides for data transfer management in the presence of collisions between conflicting data transmissions.

No. of claims: 43 No. of figures: 5



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

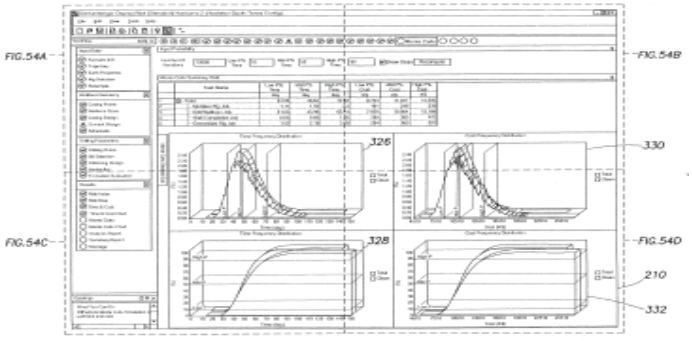
[12] Patent

[11] Patent No.: GC 0001543 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21790** **Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2005/5068 **[22] Filing Date: 23/08/2005** **[72] Inventors: 1- DAAN VEENINGEN، 2- John JEFFERS، 3- KRIS GIVENS، 4- Ganesan RAVICHANDRAN** **[73] Owner: Schlumberger Holdings Limited, P.O. Box 71, Craigmuir Chambers, Road Town, Tortola, British Virgin Isaland** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: G06G 7/48** **[56] Cited Documents:** **- WO 2005001661 A2 (SCHLUMBERGER TECHNOLOGY CORP) 06 January 2005** **- EP1355245 A1 (ABB RES LTD) 22 October 2003** **- WO 2005091096 A1 (SCHLUMBERGER HOLDINGS LTD) 29 September 2005** **- US 20020103630 A1 (SCHLUMBERGER TECHNOLOGY CORP) 01 August 2002** **Examiner: Mohammed A. Aljaffar**

[54] METHOD SYSTEM AND PROGRAM STORAGE DEVICE FOR AUTOMATICALLY CALCULATING AND DISPLAYING TIME AND COST DATA IN A WELL PLANNING SYSTEM USING A MONTE CARLO SIMULATION SOFTWARE

[57] Abstract: A method of generating and displaying time and cost data representing the time and the cost to complete a plurality of oilfield related activities in response to a set of engineering results including wellbore geometry and drilling parameters comprises the steps of: (a) assembling a plurality of time data and a plurality of cost data based on the engineering results in response to a plurality of activity templates; and (b) generating a display of the time data and the cost data, the display illustrating the time data and the cost data representing the time and the cost to complete the plurality of oilfield related activities. The display includes a numerical display and a graphical display.

No. of claims: 45 No. of figures: 57



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

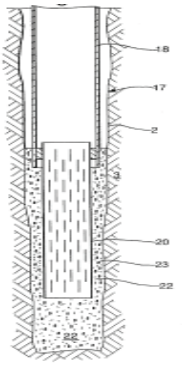
[12] Patent

[11] Patent No.: GC 0001544 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21792** **Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2005/5395 **[22] Filing Date: 19/11/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **04105894.2 18/11/2004 EP** **[72] Inventors: 1- Johan Alexander Gordon DEWAR، 2- Erik Kerst CORNELISSEN، 3- Martin Gerard Rene BOSMA** **[73] Owner: Shell Internationale Research Maatschappij B. V,Carel van Bylandtlaan 30, 2596 HR, The Hague the Netherlands** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: E21B 33/14** **[56] Cited Documents:** **- US 4936386 A (COLANGELO et al.) 26 June 1990** **- US 2004/16884 A1 (REDDY B. RAGHAVA et al.) 2 September 2004** **- US 2004/194971 A1 (THOMSON NEIL) 7 October 2004** **- GB 2338500 A (* BAKER HUGHES INCORPORATED) 22 December 1999** **Examiner: Mohammed A. Aljaffar**

[54] METHOD OF SEALING AN ANNULAR SPACE IN A WELLBORE

[57] Abstract: A method of sealing a space in a wellbore formed in an earth formation, the method comprising the steps of inserting a plurality of swelleable particles into said space, the particles being susceptible to swelling upon contact with a selected fluid, and inducing said selected fluid to contact the swelleable particles whereby the swelleable particles swell so as to form a body of swollen particles in said space.

No. of claims: 19 No. of figures: 8



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001545

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/21794

Date of the Decision to Grant the Patent: 10/03/2011

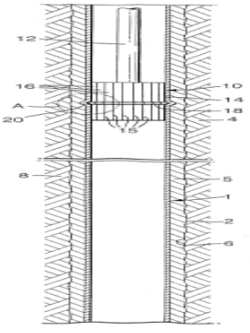
[21] Application No.: GCC/P/2005/5490
[22] Filing Date: 10/12/2005
[30] Priority:
[31] Priority No. [32] Priority date [33] State
04257703.1 10/12/2004 EP
[72] Inventors: 1- Matheus Norbertus BAAIJENS،2- Wilhelmus Christianus Maria LOHBECK،3- Paul Dirk SCHILTE
[73] Owner: Shell Internationale Research Maatschappij B. V,Carel van Bylandtlaan 30, 2596 HR, The Hague the Netherlands
[74] Agent: Suleiman I. Al-Ammar

[51] Int. Cl.[7]: E21B 29/00
[56] Cited Documents:
- US 6409226 B1 (SLACK MAURICE WILLIAM et al.) 25 June 2002
- US 5257240 A (PETERSON et al.) 04 January 1994
- US 5174340 A (PETERSON et al.) 29 December 1992
- US 3020962 A (HOLMQUIST JOHN L) 13 February 1962
- EP 0852282 A (HALLIBURTON ENERGY SERVICES, INC) 08 July 1998
- US 2003/217844 A1 (MOYES PETER BARNES) 27 November 2003
Examiner: Mohammed A. Aljaffar

[54] ADAPTING A TUBULAR ELEMENT IN A WELLBORE TO ACCOMMODATE FORMATION COMPACTION

[57] Abstract: A method is provided for adapting a tubular element extending into a wellbore formed in an earth formation, the tubular element being susceptible of damage due to axially compressive forces acting on the tubular element due to compaction of the earth formation surrounding the tubular element. The method comprises the steps of reducing the axial stiffness of at least one section of the tubular element, and allowing each tubular element section of reduced axial stiffness to be axially compressed by the action of said axially compressive forces thereby accommodating compaction of the earth formation surrounding the tubular element.

No. of claims: 11 No. of figures: 4



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

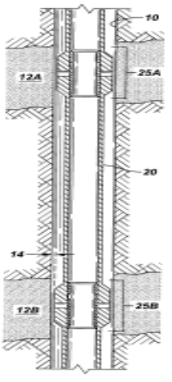
[12] Patent

[11] Patent No.: GC 0001546 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21796** **Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2005/5520 **[22] Filing Date: 14/12/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/905,073 14/12/2004 US** **[72] Inventors: 1- JORGE LOPEZ DE CARDENAS، 2- GARY L. RYTLEWSKI، 3- MATTHEW R. HACKWORTH** **[73] Owner: Schlumberger Holdings Limited, P.O. Box 71, Craigmuir Chambers, Road Town, Tortola, British Virgin Isaland** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]:E21B 33/00 , E21B 33/16 , E21B 34/00 , F04B 47/00** **[56] Cited Documents:** **- US5598890 A (Bennett M. RICHARD et al.) 04 February 1997** **- US2429912 A (John R. BAKER) 28 October 1947** **- US 2374169 A (Sida S. MARTIN) 24 April 1945** **Examiner: Mohammed A. Aljaffar**

[54] SYSTEM FOR COMPLETING MULTIPLE WELL INTERVALS

[57] Abstract: A system and method for completing a well with multiple zones of production is provided, including a casing having a plurality of valves integrated therein for isolating each well zone, establishing communication between each underlying formation and the interior of the casing, and delivering a treatment fluid to each of the multiple well zones. Furthermore, the present invention further discloses mechanisms for actuating one or more of the valves including, but not limited to, a dart, a drop ball, a running tool, and control line actuating system.

No. of claims: 33 No. of figures: 11



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

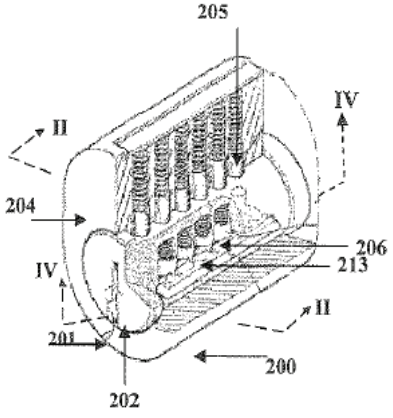
[12] Patent

[11] Patent No.: GC 0001547 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21915 Date of the Decision to Grant the Patent: 12/03/2011
[21] Application No.: GCC/P/2006/5951 [22] Filing Date: 14/03/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 0500624-2 18/03/2005 SE [72] Inventor: Bo Widen [73] Owner: WINLOC AG, P.O. Box 4233, Baarerstrasse 43, CH- 6304 ZUG, Switzerland [74] Agent: Suleiman I. Al-Ammar	[51] Int. Cl.[7]: E05B 27/10, 27/06 [56] Cited Documents: - US 4635455 A (ROY N. OLVER) 13 January 1987 - US 4756177 A (BO WIDEN) 12 July 1988 - US 5067335 A (BO WIDEN) 26 November 1991 Examiner: Mousa'ab A. AlFadhala

[54] A LOCK AND KEY SYSTEM WITH EXTRA CODE COMBINATIONS

[57] Abstract: A lock and key system with a very large number of code combinations. The lock (200) includes side locking tumblers (206) having pivoting fingers (208) with asymmetric key contacting portions (22Or), which engage with a wave-like code pattern (105) formed at the side of the key (100).

No. of claims: 29 No. of figures: 16



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

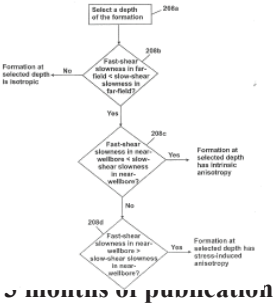
[12] Patent

[11] Patent No.: GC 0001548 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21786** **Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2006/6728 **[22] Filing Date: 05/08/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/196,907 04/08/2005 US** **[72] Inventors: 1- Tom R. Bratton، 2- J. Adam Donald، 3- John Walsh** **[73] Owner: Schlumberger Technology BV** **[74] Agent: Suleiman I. Al-Ammar**	**[51]Int. Cl.[7]: G01V 1/50** **[56] Cited Documents:** **- GB 2288236 A (SCHILUMBERGWR LTD [US]) 11 October 1995** **Examiner: Mohammed A. Aljaffar**

[54] METHOD FOR CHARACTERIZING SHEAR WAVE FORMATIONANISOTROPY

[57] Abstract: A method of characterizing shear wave anisotropy in a formation includes obtaining crossed-dipole waveforms from a borehole penetrating the formation over a range of depths and frequencies, determining far-field slowness in a fast-shear and slow-shear direction using a low-frequency portion of the crossed-dipole waveforms, and determining near-wellbore slowness in the fast-shear and slow-shear directions using a high-frequency portion of the crossed-dipole waveforms. The method also includes marking a selected depth of the formation as having intrinsic anisotropy if at the selected depth the far-field slowness in the fast-shear direction is less than the far-field slowness in the slow-shear direction and the near-wellbore slowness in the fast-shear direction is less than the near- wellbore slowness in the slow-shear direction. The selected depth is marked as having stress-induced anisotropy if the far-field slowness in the fast-shear direction is less than the far-field slowness in the slow-shear direction and the near-wellbore slowness in the fast- shear direction is greater than the near-wellbore slowness in the slow-shear direction.

No. of claims: 17 No. of figures: 6



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

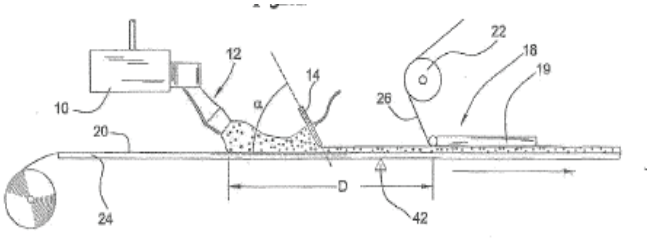
[12] Patent

[11] Patent No.: GC0001549 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21778 Date of the Decision to Grant the Patent: 10/03/2011
[21] Application No.: GCC/P/2006/6849 [22] Filing Date: 02/09/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 217720/11 01/09/2005 US	[51]Int. Cl.[7]: B32B 1/00, 37/00, 1/00, 37/00; B28B3/00, 3/00 [56] Cited Documents: - US 3532576 A (PROCTOR et al.) 06 October 1970 - US 4450022 A (GALER) 22 May 1984
[72] Inventors: 1-Raymond John Mlinac، 2-William A. Frank، 3-Michael L. Chase، 4-Srinivas Veeramasuneni، 5-Mark H. Englert، 6-Steven W. Sucech، 7-Bruce L. Peterson، 8-Ilya Lerner [73] Owner: United States Gypsum Company, 125 Franklin South Street, 60606 IL, Chicago, USA [74] Agent: Suleiman I. Al-Ammar	Examiner: Abdallah Ibrahim AL-Khatib

[54] SLURRY SPREADER FOR CEMENTITIOUS BOARD PRODUCTION

[57] Abstract: The invention provides a board forming system comprising a forming table comprising a belt with a surface for conveying a backing layer; a mixer fitted with a mechanism capable of depositing cementitious slurry material over a top surface of the backing layer; and a slurry spreader positioned downstream of the mixer, wherein a portion of the slurry spreader comprises a plurality of apertures which are connected to a source of pressurized fluid. The slurry spreader is configured such that the pressurized fluid flows out of the slurry spreader through the apertures so as to provide a continuous film of fluid across an outer surface of the slurry spreader.; The slurry spreader is positioned such that it can contact at least a portion of the cementitious slurry after the slurry exits the discharge and before the slurry is spread across the width of the backing layer such that the thickness of the slurry is approximately equal to the desired slurry thickness for board formation. The invention further provides methods for forming cementitious board comprising the use of the slurry spreader.

No. of claims: 46 No. of figures: 5



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001550 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21768** **Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2006/7416 **[22] Filing Date: 16/12/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0525662.3 16/12/2005 GB** **[72] Inventors: 1-Stephanie Jane CLEGG، 2-Paul Andrew HAMBLIN، 3-Volker GERMASCHEWSKI، 4-George KOPSIDAS، 5-Jonathan Henry ELLIS، 6-Ruth McADAM،7-Rabinder Kumar PRINJHA** **[73] Owner: Glaxo Group Limited, Glaxo Wellcome House, Barkeley Avenue, Greenford, Middlesex, UB6 ONN, United Kingdom** **[74] Agent: Suleiman I. Al-Ammar**	**[51]Int. Cl.[7]: C07K 16/22, 16/46** **[56] Cited Documents:** **- BANDTLOW CHRISTINE et al.: "The Escherichia coli-derived Fab fragment of the IgM/kappa antibody IN-1 recognizes and neutralizes myelin-associated inhibitors of neurite growth" EUROPEAN JOURNAL of BIOCHEMISTRY, BERLIN, DE, Vol.241, No.2, 1996** **- US 2005/215770 A1 (BELL ADAM [US] et al.) 29 September 2005** **- WO 2005/061544 A (GLAXO GROUP LTD [GB]; ELLIS JONATHAN HENRY [GB]; EON-DUVAL ALEXANDRE [ ) 07 July 2005** **Examiner: Nouf Saleh Al-Nassban**

[54] IMMUNOGLOBULINS

[57] Abstract: The present invention relates to antibodies to NOGO, pharmaceutical formulations containing them and to the use of such antibodies in the treatment and/or prophylaxis of neurological diseases/disorder.

No. of claims: 5

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

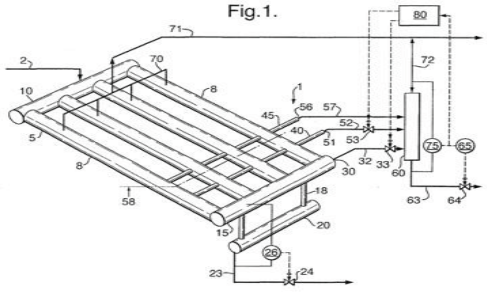
[11] Patent No.: GC0001551 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21774 Date of the Decision to Grant the Patent: 10/03/2011
[21] Application No.: GCC/P/2006/7454 [22] Filing Date: 19/12/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 05112603,5 21/12/2005 EP [72] Inventors: 1- Frederick Jan VAN DIJK، 2- Jill Hui Chiun CHIENG [73] Owner: Shell Internationale Research Maatschappij B. V., Carel van Bylandtlaan 30, 2596 HR, The Hauge, The Netherlands [74] Agent: Suleiman I. Al-Ammar	[51]Int. Cl.[7]: B01D 17/032, 17/025, 17/12, 17/00; E21B43/34 [56] Cited Documents: - US 1516132 A (ALLEN WILLIAM R et al.) 18 November 1924 Examiner: Abdallah Ibrahim AL-Khatib

[54] SYSTEM AND METHOD FOR SEPARATING A FLUID STREAM

[57] Abstract: A system for separating a fluid stream comprising gas, a light liquid and a heavy liquid, the system comprising a separation vessel that is arranged to define a downwardly extending separation space and comprises a downwardly sloping tube, the separation space having an inlet for the fluid stream at a first height, an outlet for heavy liquid at a second height below the first height, an outlet for light liquid at a third height between the first and second heights, an outlet for gas above all outlets for liquid, wherein a further outlet for light liquid is provided at a fourth height between the first and third heights, and wherein at least the outlet at the third height is provided with a control valve that is operative to open and close in dependence of the type of liquid in the pipes at that level,; and a method of separating a fluid stream comprising gas, a light liquid and a heavy light liquid in the separation vessel is obtained and the control valve at the third outlet is operated in dependence on the height of the interface.

No. of claims: 16 No. of figures: 3

Fig.1.



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

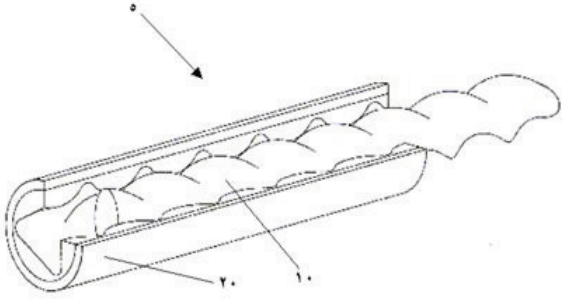
[12] Patent

[11] Patent No.: GC 0001552 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21913 Date of the Decision to Grant the Patent: 12/03/2011
[21] Application No.: GCC/P/2007/7675 [22] Filing Date: 27/01/2007 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/762,599 26/01/2006 US [72] Inventor: Christopher S. Podmore [73] Owner: NATIONAL- OILWELL, L. P. 10000 Richmond Avenue ,Houston, Texas 77042,USA [74] Agent: Suleiman I. Al-Ammar	[51] Int. Cl.[7]: F01C 1/10, F04C 2/10 [56] Cited Documents: - US 6,309,195 A (BOTTOS et al.) 30 October 2001 - US 4,909,337 A (KOCHNEV et al.) 20 March 1990 Examiner: Mousa'ab A. AlFadhala

[54] POSITIVE DISPLACEMENT MOTOR / PROGRESSIVE CAVITY PUMP

[57] Abstract: Disclosed is a progressive cavity device. In some embodiments, the device includes a stator with an inner surface having a number of lobes and a rotor disposed within the stator and having a different number of lobes. The stator lobes define a major diameter and a minor diameter, where the major diameter circumscribes the stator lobes and the minor diameter inscribes the stator lobes. A rotor-stator, defined as the major diameter divided by the minor diameter, is selected from the group consisting of 1.350 or less for a progressive cavity device with a stator having two lobes, 1.263 or less for three lobes, 1.300 or less for four lobes, 1.250 or less for five lobes, 1.180 or less for six lobes, 1.175 or less for seven lobes, 1.150 or for eight lobes, 1.125 or less for nine lobes, and 1.120 or less for ten lobes.

No. of claims: 22 No. of figures: 9



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001553 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21782** **Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2007/7811 **[22] Filing Date: 20/02/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **06110255.4 22/02/2006 EP** **[72] Inventor: Anders CARLSSON** **[73] Owner: Shell Internationale Research Maatschappij B. V., Carel van Bylandtlaan 30, 2596 HR, The Hauge, The Netherlands** **[74] Agent: Suleiman I. Al-Ammar**	**[51]Int.Cl[7]: B01D 53/86; C01B 17/04, 17/50** **[56] Cited Documents:** **- US 2004/159583 A1 (METERS CAROLUS MATTHIAS ANNA MARIA et al.) 19 August 2004** **- WO 02/34863 A (CHEVRON U.S.A. INC) 02 May 2002** **- US 2921021 A (URBAN PETER et al.) 12 January 1960** **Examiner: Ahmed Saleem Al- Hinai**

[54] METHOD FOR DISPOSAL OF DI-SULPHIDE COMPOUNDS

[57] Abstract: The invention provides a method for disposal of disulphide compounds having the general formula of R-S-S-R, wherein R is an alkyl group, the method comprising the steps of :
a) combusting said di-sulphide compounds in the presence of an oxygen-containing gas in a sulphur dioxide generation zone, whereby at least part of the di-sulphide compounds is converted to sulphur dioxide to obtain a gas stream comprising sulphur dioxide;
b) reacting the gas stream comprising sulphur dioxide with hydrogen sulphide to obtain elemental sulphur.

No. of claims: 10 No. of figures: 1

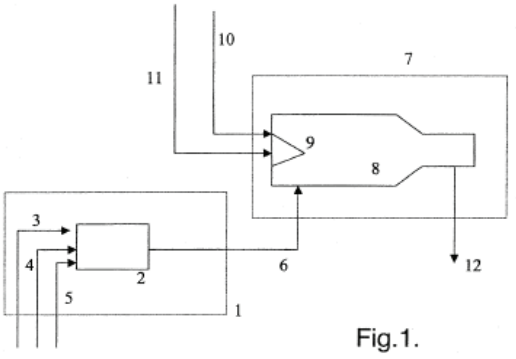


Fig.1.

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] **Patent**

[11] Patent No.: GC 0001554 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21917** **Date of the Decision to Grant the Patent: 12/03/2011**
[21] Application No.: GCC/P/2007/8041 **[22] Filing Date: 31/03/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **102006015524.6-27 31/03/2006 DE** **[72] Inventor: Felix Bolli** **[73] Owner: SIG Technology AG, Laufengasse 18, CH-8212 Neuhausen am Rheinfall, Switzerland** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: B65D 5/74** **[56] Cited Documents:** **- EP 1262412A1 (TETRA LAVAL HOLDINGS & FINANCE) 04 December 2002** **Examiner: Mousa'ab A. AlFadhala**

[54] RE-CLOSABLE POURING ELEMENT FOR LIQUID FOODS PACKAGED IN CARDBOARD/PLASTIC COMPOSITE PACKAGES

[57] Abstract: Illustrated and described is a re-closable pouring element for liquid foods packaged in cardboard/plastic composite packages, consisting of a base (1) encircled by a flange (4) and having both an inner thread (5) and an outer thread (6), an opening element (2) having at least one cutting edge (10) or the like as well as perforations and a screw cap (3) formed as a threaded lid, wherein the opening element (2) has an outer thread (8) and is arranged inside the base (1) and wherein the opening element (2) is formed so that when the screw cap (3) is operated for the first time it cuts an opening in the package material located under the pouring element. In order to ensure optimum emptying of product residues for every pack size with the same pouring element, it is provided that at least one window opening (o) is provided as an aperture, which window opening is/are arranged so that it/they points/point to one side after opening for the first time and after re-closing and repeated opening for emptying residues of the composite package points/point to the opposite side.

No. of claims: 16 No. of figures: 9

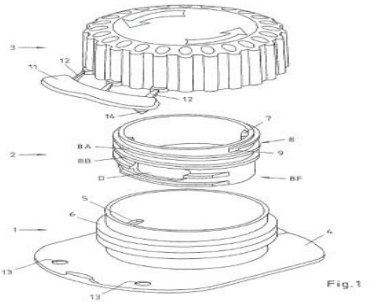


Fig.1

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

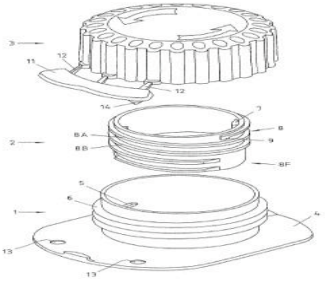
[12] Patent

[11] Patent No.: GC 0001555 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21919 Date of the Decision to Grant the Patent: 12/03/2011
[21] Application No.: GCC/P/2007/8042 [22] Filing Date: 31/03/2007 [30] Priority: [31] Priority No. [32] Priority date [33] State 102006015524.6-27 31/03/2006 DE [72] Inventor: Felix Bolli [73] Owner: SIG Technology AG, Laufengasse 18, CH-8212 Neuhausen am Rheinfall, Switzerland [74] Agent: Suleiman I. Al-Ammar	[51] Int. Cl.[7]: B65D 5/74 [56] Cited Documents: - EP 1262412A1 (TETRA LAVAL HOLDINGS &FINANCE) 04 December 2002. Examiner: Mousa'ab A. AlFadhala

[54] RE-CLOSABLE POURING ELEMENT FOR LIQUID FOODS PACKAGED IN CARDBOARD/PLASTIC COMPOSITE PACKAGES

[57] Abstract: Illustrated and described is a re-closable pouring element for liquid food packaged in cardboard/plastic composite packages, consisting of a base (1) encircled by a flange (4) and having both a solidly constructed inner thread (5)and an outer thread (6) , an opening element (2) having at least one cutting edge (10) or the like and a screw cap (3) formed as a threaded lid, wherein the opening element (2) has a solidly constructed outer thread (8) and is arranged inside the base (1) and wherein the opening element (2) is formed in such a way that when the screw cap is operated for the first time, it cuts an opening in the package material located under the pouring element. The pouring element, with as simple an assembly as possible, should be able to reliably pierce the composite material of a drinks package, even without previous weakening, and to create a sufficiently large opening for pouring. To this end it is provided that both the outer thread (8) of the opening element (2) and the inner thread (5) of the base (1) are reduced or interrupted in the lower section at least in one region (8F) in such a way that during initial assembly the opening element (2) can be moved into the base (1) axially from above without screwing in, pressing or over-compressing the threads (5, 8) .

No. of claims: 15 No. of figures: 7



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

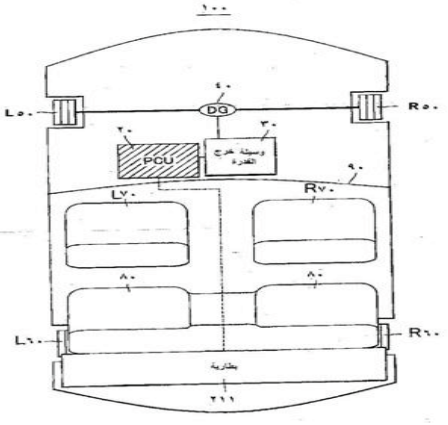
[12] Patent

[11] Patent No.: GC 0001556 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21911** **Date of the Decision to Grant the Patent: 12/03/2011**
[21] Application No.: GCC/P/2007/8162 **[22] Filing Date: 17/04/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **2006-116839 20/04/2006 JP** **[72] Inventors: 1- Yukari INOUE،2- Hitoshi IMURA** **[73] Owner: TOYOTA JIDOSHA KABUSHIKI KAISHA, ،cho-Toyota 1 shi-Toyota ,8571-471, ken-Aichi, Japan** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: H05K 5/06** **[56] Cited Documents:** **- JP 2004 186039 A (DENSO CORP) 02 July 2004** **Examiner: Mousa'ab A. AlFadhala**

[54] STORAGE CASE

[57] Abstract: A storage case (300) includes a case body (320) formed by joining a plurality of members (301, 302) with a joint structure (303a, 303b, 304), an opening (16) formed in the case body (320), a closure member (14) capable of closing the opening (16), a seal structure (17) provided between the case body (320) and the closure member (14), and a foreign-matter guide portion (10) provided on an outer surface of the case body (320), aside from the joint structure (303a, 303b, 304), such that the foreign-matter guide portion is located above the seal structure in the vertical direction of the storage case.

No. of claims: 14 No. of figures: 19



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

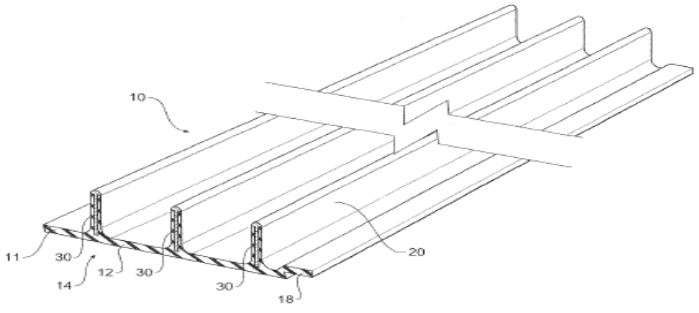
[12] Patent

[11] Patent No.: GC 0001557 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/21921** **Date of the Decision to Grant the Patent: 12/03/2011**
[21] Application No.: GCC/P/2007/7916 **[22] Filing Date: 10/03/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **2006901189 09/03/2006 AU** **[72] Inventors: 1- Craig Anthony Mayman، 2- Glenn Crawford، 3-Ian Roger Bateman،4- Gulcay Uysal** **[73] Owner: Rib Loc Australia Pty Ltd, 587 Grand Junction Road, Gepps Cross South Australia, 5094, Australia** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: B21C 47/00; B29C 53/32; B29C 53/56; B65H 18/10** **[56] Cited Documents:** **- AU 2003227090 A (RIB LOC AUSTRALIA PTY LTD) 12 February 2004** **Examiner: Mousa'ab A. AlFadhala**

[54] METHOD AND APPARATUS FOR STABILISING STRIP DURING WINDING

[57] Abstract: A spool winding assembly for winding a composite strip onto a spool having a hub is disclosed. The strip (10) it winds includes an elongate plastic strip having a flat base portion and a plurality of laterally spaced apart lengthwise extending rib portions upstanding from the base portion; and a plurality of elongate reinforcing members extending lengthwise within respective rib portions, the rib portions and the reinforcing members forming composite ribs. The assembly includes: a main frame (202); a spool holder (204) for rotatably supporting the spool relative to the main frame; a spool drive unit 206 for driving the spool (50) with respect to the main frame (202); a carriage (240) mounted for lateral movement with respect to the spool (50); a bender (90) mounted to the carriage (240) for receiving the strip (10) as it is fed towards the hub (55) of the spool (50) and for deforming the strip (10) to give it a curved base portion; and a bender drive unit (210) operable connected to the bender (90) for driving the strip (10) through the bender (90).

No. of claims: 13 No. of figures: 19



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001558	**Number of the Decision to Grant the Patent: 11/21780**
[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	**Date of the Decision to Grant the Patent: 10/03/2011**
[21] Application No.: GCC/P/2007/8221 **[22] Filing Date: 25/04/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0608277.0 27/04/2006 GB** **[72] Inventors: 1- David James WEST، 2- BOWE Michael Joseph** **[73] Owner: CompactGTL plc, 19 Blacklands Way, Abingdon,OX14 1DY, Oxfordshire, United Kingdom** **[74] Agent: Suleiman I. Al-Ammar**	**[51]Int. Cl.[7]: C01B 3/38; C10G 2/00** **[56] Cited Documents:** **- WO 03/048034 A (ACCENTUS PLC [GB]; BOWE MICHAL JOSPEPH [GB]; LEE-TIFFNELL CLIVE DEREK) 12 June 2003** **- US 5595833 A (GARDNER FREDERICK J [GB] et al.) 21January 1997** **- EP 1516663 A (IDATECH LLC [US]) 23 March 2005** **Examiner: Ahmed Saleem Al- Hinai**

[54] PROCESS FOR PREPARING LIQUID HYDROCARBONS

[57] Abstract: A process for converting methane to higher molecular weight hydrocarbons comprises

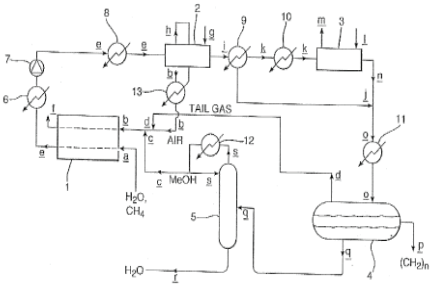
(A) reforming methane by catalytic reaction with steam at elevated temperature to generate carbon monoxide and hydrogen;

(B) subjecting the mixture of carbon monoxide and hydrogen to a Fischer-Tropsch reaction to generate one or more higher molecular weight hydrocarbons and water; and;

(c) extracting or removing one or more oxygenates from the water.

The oxygenate are either or bith: on start-up of the process, catalytically combusted to provide heat for step (A), and replaced at least in part with methane from tail gas from step (B) when the temperature of methane; and/or used as a fuel-enhancer for tail gas from step (B) for steady-state heat provision in step (A).

No. of claims: 10 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

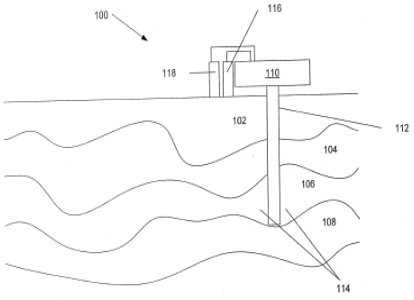
[12] Patent

[11] Patent No.: GC0001559 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21784 Date of the Decision to Grant the Patent: 10/03/2011
[21] Application No.: GCC/P/2007/8349 [22] Filing Date: 19/05/2007 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/747.908 22/05/2006 US [72] Inventor: Chia-Fu HSU [73] Owner: Shell Internationale Research Maatschappij B. V., Carel van Bylandtlaan 30, 2596 HR, The Hauge, The Netherlands [74] Agent: Suleiman I. Al-Ammar	[51]Int.Cl^{7}: E21B 43/30, 43/16 [56] Cited Documents: - US 840073 A (ALLEN J et al.) 08 October 1974 - US 3878892 A (ALLEN JOSEPH C et al.) 22 April 1975 - 3823777 A (ALLEN J et al.) 16 July 1974 Examiner: Ahmed Saleem Al- Hinai

[54] SYSTEMS AND METHODS FOR PRODUCING OIL AND/OR GAS

[57] Abstract: A system for producing oil and/or gas from an underground formation comprising a first array of wells dispersed above the formation; a second array of wells dispersed above the formation; wherein the first array of wells comprises a mechanism to inject a miscible enhanced oil recovery formulation info the formation while the second array of wells comprises a mechanism to produce oil and/or gas from the formation for a first time period; and wherein the second array of wells comprises a mechanism to inject a miscible enhanced oil recovery formulation into the formation while the first array of wells comprises a mechanism to produce oil and/or gas from the formation for a second time period.

No. of claims: 18 **No. of figures: 4**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001560

Number of the Decision to Grant the Patent: 11/21776

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Date of the Decision to Grant the Patent: 10/03/2011

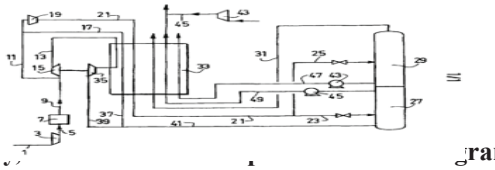
[21] Application No.: GCC/P/2007/8329
[22] Filing Date: 15/05/2007
[30] Priority:
[31] Priority No. [32] Priority date [33] State
20063064 28/06/2006 MY
[72] Inventors: 1- LE BOT Patrick، 2- PEYRON Jean-Marc، 3- LE BIHAN Herve، 4- GUILLARD Alain
[73] Owner: L Air Liquide, Societe anonyme Pour LEtude et LExploitation des Procedes Georges Claude, 75 Quai d Orsay, 75007, Paris, France
[74] Agent: Suleiman I. Al-Ammar

[51]Int. Cl.[7]: F25J 3/04, J3/06, 3/04, J3/06
[56] Cited Documents:
- US 5901578 A (PRAXAIR TECHNOLOGY INC) 11 May 1999
- WO 2005065209 A2 (PRAXAIR TECHNOLOGY INC.) 21 Jul. 2005
- WO 2006048341 A1 (L'AIR LIQUIDE SOCIETE ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE) 11 May 2006
- US 6047562 A (L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE) 11 Apr 2000
- US 5802872 A (PRAXAIR TECHNOLOGY INC) 08 Sep 1998
Examiner: Abdallah Ibrahim AL-Khatib

[54] PROCESS FOR THE PRODUCTION OF PRESSURISED OXYGEN AND NITROGEN BY CRYOGENIC DISTILLATION OF AIR

[57] Abstract: An air separation operates according to the first mode in which compressed and purified air 13, 17, 21 is cooled in a heat exchanger 33 and sent to an air separation unit comprising a column system comprising at least two distillation columns 27, 29, a first quantity of liquid oxygen is removed from the system, pressurised and vaporised in the heat exchanger, no liquid nitrogen or alternatively a first quantity of liquid nitrogen is removed from the system, pressurised and vaporised in the heat exchanger and according to the second mode compressed and purified air is cooled in the heat exchanger and sent to the air separation unit, a second quantity of liquid nitrogen is removed from the system, pressurised and vaporised in the heat exchanger and no liquid oxygen or alternatively a second quantity of liquid oxygen is removed from the system, pressurised and vaporised in the heat exchanger.

No. of claims: 5 No. of figures: 1



Note: Any interested individual grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001561

Number of the Decision to Grant the Patent: 11/21772

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Date of the Decision to Grant the Patent: 10/03/2011

[21] Application No.: GCC/P/2007/9480
[22] Filing Date: 12/11/2007
[30] Priority:
[31] Priority No. [32] Priority date [33] State
06124105.5 15/11/2006 EP

[72] Inventors: 1- RINALDI Roberto، 2- PENZO Giuseppe
[73] Owner: Basell Poliolefine Italia s.r. l., Via Pergolesi, 25,20124, Milano, Italy
[74] Agent: Suleiman I. Al-Ammar

[51]Int. Cl.[7]: C08F 10/00, 297/08, 10/00, 297/00; C08L 23/00

[56] Cited Documents:
- EP 0 574 821 A (SPHERILENE SRL [IT]; HIMONT INC [US]) 22 December 1993
- EP 0 318 609 A (UNION CARBIDE CORP [US] et al.) 07 June 1989
- US 6 255 411 B1 (HARTLEY IVAN JEREMY [US] et al.) 03 July 2001
- US 4 621 952 A (ARONSON ROBERT G [US]) 11 November 1986
- WO 2006/079774 A (INEOS EUROP LTD [GB]; CHAMAYOU JEAN-LOUIS [FR]; ELSTNER PETER JOHN [GB]) 03 August 2006

Examiner: Abdallah Ibrahim AL-Khatib

[54] MULTISTAGE PROCESS FOR THE POLYMERIZATION OF OLEFINS

[57] Abstract: A process for the multistage polymerization of olefins comprising a gas-phase polymerization carried out in at least two serially connected gas-phase reactors, the continuous discharge of polymer and gas reaction mixture from an upstream reactor into a transfer device and the continuous feeding of polymer from said transfer device to a downstream reactor, said transfer device comprising:

a) a separation chamber in which said gas reaction mixture is removed from the polymer;

b) at least a couple of lock hoppers working intermittently in parallel, where one of said lock hoppers is continuously filled with the polymer coming from step a) while simultaneously the other one is continuously pressurized by means of a gas comprising the reaction mixture coming from said downstream reactor.

No. of claims: 14 No. of figures: 1

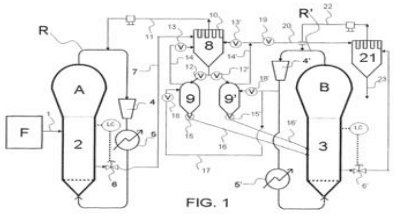


FIG. 1

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

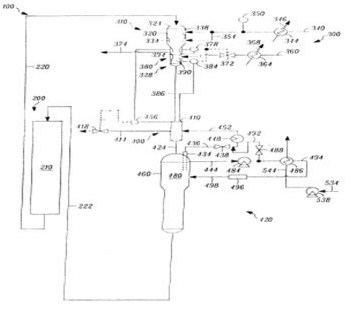
[12] Patent

[11] Patent No.: GC0001562 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21770 Date of the Decision to Grant the Patent: 10/03/2011
[21] Application No.: GCC/P/2007/9819 [22] Filing Date: 29/12/2007 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/882.689 29/12/2006 US 11/697.346 06/04/2007 US [72] Inventors: 1- FECTEAU, David John،2- YUAN, Leon [73] Owner: UOP LLC, 25 East Road Algonquin, Des Plaines, 50 17- 600 17, ILLINOIS, USA [74] Agent: Suleiman I. Al-Ammar	[51]Int. Cl.[7]: B01J38/02, 38/00 [56] Cited Documents: - US 5837636 A (PAUL A. SECHRIST et al.) 17 November 1998 - US 6790802 B1 (PAUL A. SECHRIST) 14 September 2004 - US 5393717 A (MINAS R. APELIAN et al.) 28 February 1995 - US 5573988 A (BLAISE DIDILLON) 12 November 1996 Examiner: Abdallah Ibrahim AL-Khatib

[54] PROCESS FOR REGENERATING CATALYST FOR A HYDROCARBON CONVERSION ZONE

[57] Abstract: In one exemplary embodiment, a process for regenerating a hydrocarbon conversion catalyst for a hydrocarbon conversion zone can generally include passing the hydrocarbon conversion catalyst through, sequentially, a catalyst-disengaging zone (310) having a first atmosphere, an adsorption zone (400) having a second atmosphere, and a regeneration zone (460) including a combustion zone (480); introducing an inert gas between the first atmosphere and the second atmosphere; and passing a flue gas from the combustion zone (480) to the adsorption zone (400).

No. of claims: 10 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

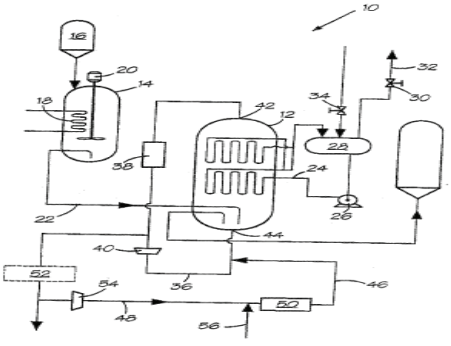
[12] Patent

[11] Patent No.: GC 0001563 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/22461 Date of the Decision to Grant the Patent: 20/03/2011
[21] Application No.: GCC/P/2003/2491 [22] Filing Date: 05/02/2003 [30] Priority: [31] Priority No. [32] Priority date [33] State 2002/1224 13/02/2002 ZA [72] Inventor: STEYNBERG, Andre Peter [73] Owner: SASOL TECHNOLOGY (PROPRIETARY) LIMITED, Sturdee Avenue,Roseebank1, Johannesburg , South Africa [74] Agent: Suleiman I. Al-Ammar	[51] Int. Cl.[7]: C07C 1/04; C10G 2/00 [56] Cited Documents: - US 5389690 A (MITCHLL WILLARD N) 14 February 1995 - US 5780381 A (CARR NORMAN LOREN et al.) 14 July 1998 - US 4626552 A (ARCURI KYM B) 02 December 1986 - FR 1004318 A (KRUPP TREIBSTOFFWERK G M B H) 28 March 1952 Examiner: Bander M. Al-Thobity

[54] PROCESS FOR STARTING UP A FISCHER-TROPSCH REACTOR

[57] Abstract: A process for starting up a Fischer-Tropsch reactor includes establishing, in the reactor, an initial charge of molten wax. The initial reactor temperature is below the line-out reactor temperature but is sufficiently high for a Fischer-Tropsch reaction to take place. The reactor contains, in contact with the molten wax, at least a portion of its line-out catalyst inventory. Syngas is fed into the reactor at an initial flow rate belowe the line-out syngas flow rate. Initially a syngas H^2:CO molar ratio is maintained at a higher value than its line-out value, whereafter the syngas H^2:CO molar ratio is decreased to its line-out value. The syngas flow rate and the reactor temperature are than increased to their line-line values.

No. of claims: 16 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001564 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22458** **Date of the Decision to Grant the Patent: 20/03/2011**
[21] Application No.: GCC/P/2006/6522 **[22] Filing Date: 01/07/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/171.799 30/06/2005 US** **[72] Inventors: 1- JOHN Q. CHEN،2- TIMUR V. VOSKOBOYNIKOV،3- Paul T.BARGER** **[73] Owner: UOP LLC,25 East Alqonguin Road, P.O. Box 5017, Des Plaines, Illinois 60017-5017, U.S.A** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: C01B3/24;C01B 3/26** **[56] Cited Documents:** **-US 4,687,754 A (PELLET et al.) 18 August 1987** **- US 6,653, 541 A (MURRAY et al.) 25 November 2003** **- US 6,781,023 A (BROWN et al.) 24 August 2004** **Examiner: Bander M. Al-Thobity**

[54] PROTECTION OF SOLID ACID CATALYSTS FROM DAMAGE BY VOLATILE SPECIES

[57] Abstract: The invention provides a method to avoid catalyst damage and achieve longer catalyst life by selecting appropriate materials for reactor spacers, liners, catalyst binders, and supports, in particular, by not using crystalline silica-containing and high phosphorus-containing materials, if the presence of even small amount of steam is anticipated. In addition, alkali metals and alkaline earth metals are avoided due to potential to the catalyst.

No. of claims: 10

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

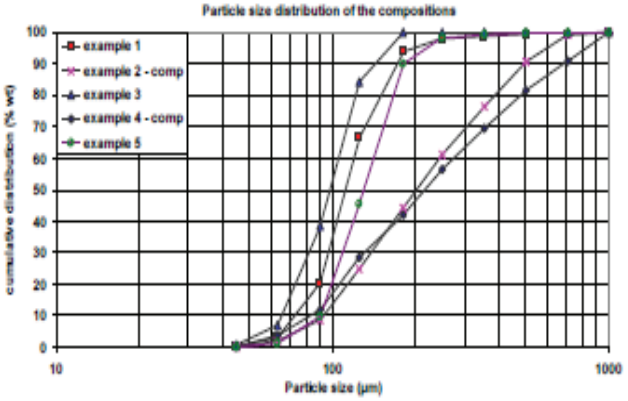
[12] Patent

[11] Patent No.: GC 0001565 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/22890 Date of the Decision to Grant the Patent: 28/03/2011
[21] Application No.: GCC/P/2007/8398 [22] Filing Date: 28/05/2007 [30] Priority: [31] Priority No. [32] Priority date [33] State 06252749.4 26/05/2006 EP [72] Inventors: 1- FREDERICH, Andre،2- AMEYE, Thomas F.،3- JAN, Dominique [73] Owner: Ineos Manufacturing Belgium NV, Scheldelaan 482, Antwerpen,B-2040, Belgium [74] Agent: Suleiman I. Al-Ammar	[51] Int. Cl.[7]:C08F 10/00; C08F 2/00; C08F 6/04 [56] Cited Documents: - WO 2005/082962 A (TOTAL PETROCHEMICALS RESEARCH FELUY; SIRAUX, DANIEL; LAURENT, ETIENNE) 09 September 2005 - WO 2005/032714 A (FINA TECHNOLOGY, INC; KNOEPPEL, DAVID, W; COFFY, TIM, J; ENRIQUEZ, HEN) 14 April 2005 Examiner: Bander M. Al-Thobity

[54] POLYOLEFIN POWDER

[57] Abstract: An uncompounded polyolefin powder is disclosed, having a particle size distribution such that D95 is less than 355 µm and (D90-D10)/D50 is less than 1.2, where D95, D90, D50 and D10 are defined such that 95vol%,90vol%,50vol% or 10vol% of the polymer particles have a diameter of less than D95, D90,D50 AND D10 respectively. A process for making the powder is also disclosed.

No. of claims: 18 No. of figures: 2



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

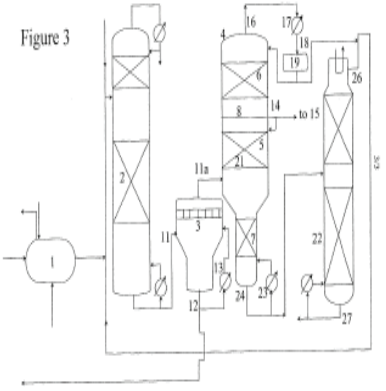
[11] Patent No.: GC 0001566 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22456** **Date of the Decision to Grant the Patent: 20/03/2011**
[21] Application No.: GCC/P/2007/8485 **[22] Filing Date: 11/06/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **06253031.6 13/06/2006 EP** **[72] Inventors: 1- Anton Pieter WESTERINK، 2- Roel Guillaume Hubertus Leonardus BASTINGS** **[73] Owner: Shell Internationale Research Maatschappij B. V,Carel van Bylandtlaan 30, 2596 HR, The Hague the Netherlands** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]:C07C 29/80 C07C 31/20** **[56] Cited Documents:** **- US 6080897 A KAWABE KAZUKI[JP]) 27 JUNE 2000** **Examiner: Bander M. Al-Thobity**

[54] GLYCOL SEPARATION AND PURIFICATION

[57] Abstract: A resin composition for a filament, which comprises an ethylene homopolymer or ethylene-propylene copolymer having a density of 935 to 965 kg/m³, and a pesticide of 0.1 to 10 parts by weight per 100 parts by weight of the ethylene homopolymer, wherein the composition has a melt flow rate of 0.3 to 7 g/10 minutes and a melt flow rate ratio of 10 to 50 and a density of 935 to 980 kg/cm³.

No. of claims: 12 No. of figures: 3

Figure 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001567

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22905

Date of the Decision to Grant the Patent: 28/03/2011

[21] Application No.: GCC/P/2002/1880
[22] Filing Date: 02/03/2002
[30] Priority:
[31] Priority No. [32] Priority date [33] State
01104757.8 26/02/2001 US
[72] Inventors: 1- FILIPPI Ermanno، 2- TAROZZO Mirco، 3- RIZZI Enrico
[73] Owner: Methanol Casale S. A., Via Sorengo 7, 6900 Lugano-Besso, Switzerland
[74] Agent: Suleiman I. Al-Ammar

[51]Int.Cl.[7]: B01J 8 /02, 8/04, 19/00; F28D 9 /00
[56] Cited Documents:
- GB 1088009 A (HALCON INTERNATIONAL INC) 18 October 1967
- US 2745823 A (HEWITT WILLIAM C) 15 May 1956
- US 3666 423 A (MUENGER JA,ES R) 30 May 1972
- EP 0798528 A (BOC GROUP INC) 01 October 1997
Examiner: Yahiya Naser Al-BuSafi

[54] METHOD FOR CARRYING OUT CHEMICAL REACTIONS IN THE PSEUDO-ISOTHERMAL CONDITIONS

[57] Abstract: Method for carrying out in continuous, under so-called pseudo-isothermal conditions and in a predetermined reaction environment, such as a catalytic bed, a selected chemical reaction, comprising the steps of providing in the reaction environment at least one heat exchanger fed with a first flow of a heat exchange operating fluid at a respective predetermined inlet temperature, the fluid passing through at least one heat exchanger according to a respective inlet/outlet path, a second flow of operating fluid having s respective predetermined inlet temperature.

No. of claims: 6 No. of figures: 5

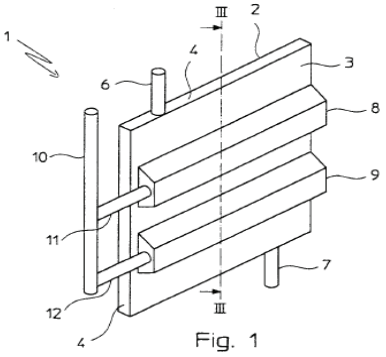


Fig. 1

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001568 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22879** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2002/2125 **[22] Filing Date: 13/07/2002** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **PA2001 01101 13/07/2002 DK** **PA 2001 01851 11/12/2002 DK** **PA 2001 01852 11/12/2001 DK** **[72] Inventors: 1- Michael Bech Sommer، 2- Henrik Pedersen، 3- Peter Brosen، 4- Ole Nielsen، 5- Hans Petersen، 6- Haleh Ahmadian، 7- Fiona Geiser، 8- James Lee، 9- Geoffrey Cox،10- Olivier Dapremont، 11- Christina Suteu، 12- Sebastian P. Assenza، 13- Shankar Hariharan،14- Usha R Menon** **[73] Owner: H. Lundbeck A/S, 9 Ottiliavej, DK-2500, Copenhagen, Denemark** **[74] Agent: Suleiman I. Al-Ammar**	**[51]Int. Cl.[7]: C07D 307/87; C07B 57/00** **[56] Cited Documents:** **- Journal of Chromatography B, Volume 685, 1996, Dan Haupt: "Determination of Citalopram enantiomers in human plasma by liquid chromatographic separation on a Chiral-AGP** **- Chromatographia. An International journal for Rapid communication in Chromatography, Electrophoresis, and associated Techniques, Volume 53, March 2001** **- WO 0143525 A2 (H.LUNDBECK A/S) 21 June 2001** **- ChromTech, "Separation of enantiomers by chiral chromatography/chrail HPL" retrieved on 29/10/2002** **- US 4943590 A (BOEGESOE et al.) 24 July 1990** **- US 4136193 A (BOGESO et al.) 23 January 1979** **Examiner: Ibrahim Abdullah Al-Malki**

[54] METHOD FOR THE PREPARATION OF ESCITALOPRAM

[57] Abstract: A novel method is provided for the manufacture of escitalopram. The method comprises chromatographic separation of the enantiomers of citalopram or an intermediate in the production of citalopram using a chiral stationary phase such as Chiralpak™ AD or Chiralcel™ OD. Novel chiral intermediates for the synthesis of Escitalopram made by said method are also provided.

No. of claims: 18

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

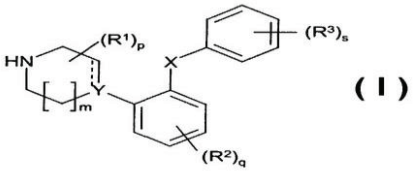
(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001569 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/22897 Date of the Decision to Grant the Patent: 28/03/2011
[21] Application No.: GCC/P/2002/2251 [22] Filing Date: 05/10/2002 [30] Priority: [31] Priority No. [32] Priority date [33] State PA200101466 04/10/2001 DK [72] Inventors: 1- Thomas Ruhland، 2- Garrick Paul Smith، 3- Benny Bang-Andersen، 4- Ask Puschl، 5- Ejner Knud Moltzen، 6- Kim Andersen [73] Owner: H. Lundbeck A/S, 9 Ottiliavej, DK-2500, Copenhagen, Denemark [74] Agent: Suleiman I. Al-Ammar	[51]Int. Cl.[7]: C07D295/096 [56] Cited Documents: - GB 1489711 A (SCIENCE UNION ET CIE, SOCIETE FRANCAISE DE RECHERCHE MEDICALE) 26 October 1977 - WO02059108 A1 (ELI LILLY AND COMPANY) 01 August 2002 - EP 0855923 A1 (SUNTORY LIMITED) 29 January 1997 - WO 0149678 A1 (H. LUNDBECK A/S) 12 July 2001 Examiner: Ibrahim Abdullah Al-Malki

[54] PHENYL-PIPERAZINE DERIVATIVES AS SEROTONIN REUPTAKE INHIBITORS

[57] Abstract: The invention provides compounds represented by the general formula (I):



(I)

wherein the substituents are defined in the application. The compounds are useful in the treatment of an affective disorder, including depression, anxiety disorders including general anxiety disorder and panic disorder and obsessive compulsive disorder.

No. of claims: 5

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

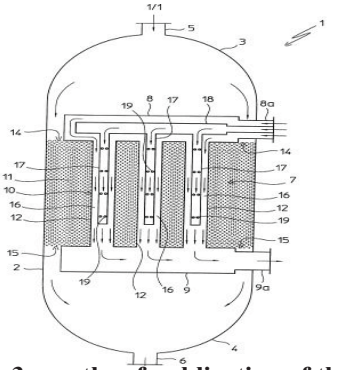
[12] **Patent**

[11] Patent No.: GC0001570 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22919** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2003/2786 **[22] Filing Date: 19/07/2003** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **02019233.2 27/08/2002 EP** **[72] Inventors: 1- RIZZI Enrico، 2- FILIPPI Ermanno، 3- TAROZZO Mirco** **[73] Owner: Methanol Casale S.A., Via San Carlo, 22, CH-6932, Breganzona, Switzerland** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: B01J 8/02, 19/00; F28F 27/02** **[56] Cited Documents:** **- US 2384858 A (LASSIAT RAYMOND C et al.) 18 September 1945** **- WO 9009234 A (TOPSOE HALDOR AS) 23 August 1990** **- GB 1088009 A (HALCON INTERNATIONAL INC) 18 October 1967** **- EP 1236505 A (METHANOL CASALE SA) 4 September 2002** **Examiner: Yahiya Naser Al-BuSafi**

[54] METHOD FOR CARRYING OUT CHEMICAL REACTIONS IN PSEUDO-ISOTHERMAL CONDITIONS

[57] Abstract: Method for carrying out in continuous under so-called pseudo-isothermal conditions and in a predetermined reaction environment, such as a catalytic bed, a selected chemical reaction, comprising the steps of providing in the reaction environment at least one tubular heat exchanger fed with a first flow of heat exchange operating fluid at a respective predetermined inlet temperature, the fluid passing through the at least one tubular heat exchanger according to a respective inlet/outlet path, which method also provides the step of feeding into the at least one tubular heat exchanger and at one or more intermediate positions of said path, a second flow of operating fluid having a respective predetermined inlet temperature.

No. of claims: 9 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001571 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22877** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2004/3456 **[22] Filing Date: 09/05/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/435.367 09/05/2003 US** **[72] Inventors: 1- Franklin L. PELLEGRINI ، 2- Peter M.J. BEEDING** **[73] Owner: Freedom Health, LLC, Aurora, Industrial Parkway, 8088-44202, Ohio, USA** **[74] Agent: Suleiman I. Al-Ammar**	**[51]In. Cl.^{7}: A61K 47/00** **[56] Cited Documents:** **- US 5660852 A (MCKEOWN et al.) 26 August 1997** **- US 6045834 A (HOWES et al.) 04 April 2000** **Examiner: Ibrahim Abdullah Al-Malki**

[54] DIETARY SUPPLEMENT AND METHOD FOR THE TREATMENT AND PREVENTION OF DIGESTIVE TRACT ULCERS IN EQUINES AND OTHER ANIMALS

[57] Abstract: A novel nutritional product and methods for the manufacture and administration of the same are disclosed for the feeding of equine foals and other animals. The nutritional product of the present invention is effective in supporting the growth and health of equine foals, and in supporting and stimulating its immune system as well. The nutritional product of the present invention consists of safe and natural ingredients rather than drugs, and is orally administrable. The ingredients of the nutritional product of the present invention when combined provide a synergistic efficacy which greatly exceeds the sum of the efficacies of the individual ingredients, making the nutritional product highly effective in promoting and enhancing the growth, nutritional uptake, and immune system of equine foals.

No. of claims: 28

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001572 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22917** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2004/4002 **[22] Filing Date: 20/11/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/713,232 14/11/2003 US** **[72] Inventors: 1- ALEKSANDAR GEORGI SLAVEJKOV، 2- MAHENDRA LADHARAM JOSHI، 3- XIANMING JIMMY LI** **[73] Owner: Air Products And Chemicals, Inc., 7201 Hamilton Boulevard, PA 1501-18195, Allentown, USA** **[74] Agent: Suleiman I. Al-Ammar**	**[51]Int. Cl[7]: F23C 6/04; F23D 14/24, 14/58** **[56] Cited Documents:** **- US 2003/148236 A1 (JOSHI MAHENDRA LADHARAM et al.) 07 August 2003** **- US 6085674 A (ASHWORTH et al.) 11 July 2000** **Examiner: Yahiya Naser Al-BuSafi**

[54] IMPROVED FUEL STAGING PROCESS FOR LOW NOX OPERATIONS

[57] Abstract: A method and apparatus for diluting a fuel to reduce NOx using a fuel dilution device, which includes: a first conduit having an inlet and outlet, the first conduit for transmitting a stream of a fuel entering the inlet and exiting the outlet at a first thermodynamic state and a first fuel index; and a second conduit having an intake and an outtake, the second conduit for transmitting a stream of a fluid entering the intake and exiting the outtake at a second/different thermodynamic state and a second fuel index different from the first fuel index by at least about 0.1: the outlet of the first conduit and outtake of the second conduit defining a mixing location proximate both the outlet and the outtake for mixing the stream of the fuel and the stream of the fluid to generate a diluted fuel stream having an intermediate fuel index; and a zipper nozzle for transmitting through the zipper nozzle at least a portion of the diluted fuel stream.

No. of claims: 17 No. of figures: 9

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001573 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/22915 Date of the Decision to Grant the Patent: 28/03/2011
[21] Application No.: GCC/P/2004/4026 [22] Filing Date: 27/11/2004 [30] Priority: [31] Priority No. [32] Priority date [33] State 03104391.2 26/11/2003 EP 03104380.1 26/11/2003 EP [72] Inventors: 1- Mr. Pierre Dournel، 2- Mr. Lothar Zipfel [73] Owner: SOLVAY, 33 Rue Du Prince Albert, 1050 Brussels, Belgium [74] Agent: Suleiman I. Al-Ammar	[51] Int. Cl.[7]: C08J 9/12, 9/14 [56] Cited Documents: - DE 3930594 A (GEFINEX JACKON GMBH) 14 March 1991 - US 5276063 A (SMITH ROY E et al.) 04 January 1994 - WO 02/051919 A (DUFFY JOHN D; DOW GLOBAL TECHNOLOGIES INC (US); GRIFFIN WARREN H) 4 July 2002 - US 5262077 A (BIVENS et al.) 16 November 1993 Examiner: Yahiya Naser Al-BuSafi

[54] REPLACEMENT OF HYDROCHLOROFLUOROCARBONS FOR POLYMER FOAM MANUFACTURE

[57] Abstract: Use for foam manufacture in a foam manufacturing equipment designed for use with hydrochlorofluorocarbons of a composition comprising at least one hydrofluorocarbon blowing agent and a non-halogenated polar organic compound having an atmospheric boiling point of from 30°C to 150°C. blowing agent mixtures containing at least a partially fluorinated hydrocarbon and the usual auxiliaries and additives, in which the inert gas content, measured in the vapour phase of the blowing agent or blowing agent mixture, should not exceed 1.5 % by volume

No. of claims: 8

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001574

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22901

Date of the Decision to Grant the Patent: 28/03/2011

[21] Application No.: GCC/P/2005/4321
[22] Filing Date: 19/02/2005
[30] Priority:
[31] Priority No. [32] Priority date [33] State
04.03830 13/04/2004 FR

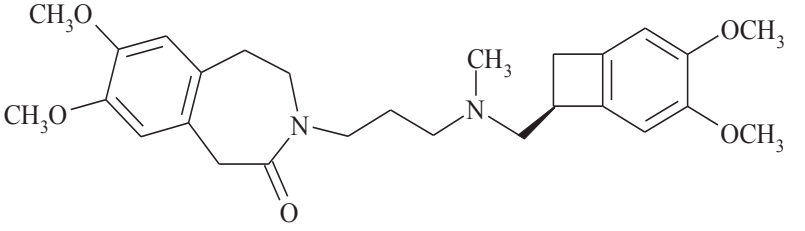
[72] Inventors: 1- Marrie-Noelle AUGUSTE، 2- Daniel BRIGOT، 3- Stephane HORVATH، 4- Jean-Michel LERESTIF، 5- Jean-Claude SOUVIE،6- Jean-Pierre LECOUVE،7- Gerard DAMIEN
[73] Owner: Les Laboratoires Servier, 12, Place de la Defense, 92415, Courbevoie Cedex, France
[74] Agent: Suleiman I. Al-Ammar

[51]Int. CI.[7]: C07D 223/16
[56] Cited Documents:
- EP 0534869 A (ADIR) 31 March 1993

Examiner: Nada Al-behaiji

[54] NEW PROCESS FOR THE SYNTHESIS OF IVABRADINE AND ADDITION SALTS THEREOF WITH A PHARMACEUTICALLY ACCEPTABLE ACID

[57] Abstract: Process for the synthesis of ivabradine of formula (I) :



(I)

addition salts thereof with a pharmaceutically acceptable acid, and hydrates thereof. α crystalline form of ivabradine hydrochloride. Medicaments.

No. of claims: 14

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001575

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22911

Date of the Decision to Grant the Patent: 28/03/2011

[21] Application No.: GCC/P/2005/5107
[22] Filing Date: 04/09/2005
[30] Priority:
[31] Priority No. [32] Priority date [33] State
10/947,684 23/09/2004 GB
[72] Inventors: 1- LAWRENCE A. SMITH, JR ،2- ABRAHAM P. GELBEIN
[73] Owner: Catalytic Distillation Technologies, 10100 Bay Area Boulevard, Pasadena, Texas 77507, USA
[74] Agent: Suleiman I. Al-Ammar

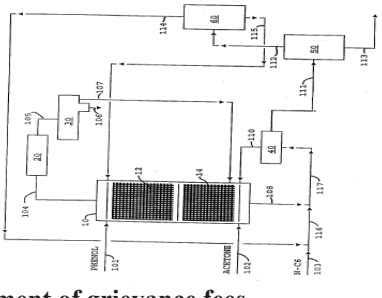
[51] Int. Cl.[7]: C07C 39/16
[56] Cited Documents:
- US 5679312 A (JIN et al.) 21 October 1997

Examiner: Yahiya Naser Al-BuSafi

[54] PROCESS FOR THE PRODUCTION OF BISPHENOL-A

[57] Abstract: Bisphenol-A (BPA) is efficiently produced from phenol and acetone via countercurrent and multistage contact with a solid acid catalyst in the presence of an agent that enhances the removal of water of reaction from reaction zone. A preferred contacting device is a distillation column wherein the catalyst is contained within a distillation mass transfer structure. A preferred water removal agent is a C_6 hydrocarbon, e.g, n-hexne. The column is configured with a reboiler, reflux condenser, and decanter as reflux drum. Phenol (in excess of the reaction stoichiometry) is fed to the column above the catalyst zone and acetone toward the bottom of catalyst zone. Hexane is fed directly into the reboiler. Boilup is primarily hexane vapor which is as it ascends the column removes water from the reaction zone in the vapor stream while the acetone is maintained within the reaction zone by dissolving in the descending phenol rich liquid stream. The water id removed from the system as decant liquid while the hexane is refluxed to the column. According to the invention nearly 100% conversion of the acetone is achieved and the phenol/BPA/hexane column bottoms product is free of water

No. of claims: 17 No. of figures: 1



Note: Any interested individual may, he grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001576 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22888** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2007/8581 **[22] Filing Date: 25/06/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **2007-148930 05/06/2007 JP** **PA200601223 22/09/2006 DK** **PA200700427 20/03/2007 DK** **2006-176480 27/06/2006 JP** **60/805.651 23/06/2006 US** **[72] Inventors: 1- Gan Wang، 2- Michael Harold Rock، 3- Denis R.St.Laurent، 4- David R.Langley، 5- Lone Munch Ringgaard، 6- WU, Zhihua، 7- SUTELA Marita، 8- ZHOU, Bing، 9- Lawrence G. Hamann، 10- Kauno ALASTOLO، 11- Fukang Yang، 12- Michael J. Mealy، 13- Jorgen Brodersen، 14- Nicholas Moore، 15- Susumu EJIRI، 16- Morten Jorgensen، 17- Tatsuhiro NAGAMATSU، 18- Edward H. Ruediger، 19- Lawrence B. Snyder** **[73] Owners: 1- Sumitomo Chemical Company, Limited،Shinkawa 2- chome, Chuo-ku, 1-27, Tokyo ,104-8260, Japan** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]:C08K 5/00; C08L 23/02; D01F 1/10; D01F 6/04; C08K 5/00; C08L 23/00; D01F 1/10; D01F 6/04** **[56] Cited Documents:** **- US 6010970 A (MCGINTY DAVID JACKSON [US] et al.) 04 January 2000** **- WO 2004/101674 A (DOW GLOBAL TECHNOLOGIES INC [US]; MICHIE WILLIAM J JR [US]; NEUBAUER A) 25 November 2004** **Examiner: Bander M. Al-Thobity**

[54] RESIN COMPOSITION FOR FILAMENT, FILAMENT AND PROCESS FOR PRODUCING THE FILAMENT

[57] Abstract: A resin composition for a filament, which comprises an ethylene-α-olefin copolymer having a density of 935 to 965 kg/m³, and a pesticide of 0.1 to 10 parts by weight per 100 parts by weight of the ethylene-α-olefin copolymer, wherein the copolymer is a copolymer of ethylene and an α-olefin having 4 to 8 carbon atoms, and the composition has a melt flow rate of 0.3 to 7 g/10 minutes and a melt flow rate ratio of 10 to 50 and a density of 935 to 980 kg/cm³.

No. of claims: 5

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001577 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22882** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2007/8582 **[22] Filing Date: 25/06/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **2006-176480 27/06/2006 JP** **[72] Inventors: 1- Susumu EJIRI، 2- Tatsuhiro NAGAMATSU** **[73] Owner: 1- Sumitomo Chemical Company, Limited،Shinkawa 2- chome, Chuo-ku, 1-27, Tokyo ,104-8260, Japan** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: C08K 5/00; C08L 23/02; D01F 1/10; D01F 6/04; C08K 5/00; C08L 23/00; D01F 1/10; D01F 6/04** **[56] Cited Documents:** **- WO 2004/101674 A (DOW GLOBAL TECHNOLOGIES INC[US]; MICHIE WILLIAM J JR [US] ;NEUBAUER A) 25 November 2004** **Examiner: Bander M. Al-Thobity**

[54] RESIN COMPOSITION FOR FILAMENT, FILAMENT AND PROCESS FOR PRODUCING THE FILAMENT

[57] Abstract: A resin composition for a filament, which comprises an ethylene homopolymer or ethylene-propylene copolymer having a density of 935 to 965 kg/m³, and a pesticide of 0.1 to 10 parts by weight per 100 parts by weight of the ethylene homopolymer , wherein the composition has a melt flow rate of 0.3 to 7 g/10 minutes and a melt flow rate ratio of 10 to 50 and a density of 935 to 980 kg/cm³.

No. of claims: 6

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001578 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22886** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2007/9033 **[22] Filing Date: 10/09/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **P2006-245253 11/09/2006 JP** **[72] Inventors: 1- Hiroaki TAKAHATA،2- Masayoshi NITTA،3- Masakazu MIYAKADO** **[73] Owner: Sumitomo Chemical Company , Limited, Shinkawa, chome-2, Ku-Chuo, 8260-104, Tokyo, Japan** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: A01N 53/00, 25/10, 25/34; A01P 17/00** **[56] Cited Documents:** **- DATABASE WPI 199635, Derwent Publication Ltd., London, GB, AN, 1996-348939 XP002470370 & JP 08163950 A (TOKYO INK KK) 25 June 1996** **- DATABASE WPI Week 199050, Derwent Puplication Ltd., London, GB, AN 1990-372970 XP002470371 & JP 02270803 A (DAINPPON JOCHUGIKU KK) 05 November 1990** **- US 2006/052444 A1 (IGARASHI TOSHIO [JP] et al.) 09 March 2006** **- WO 97/29634 A (BAYER AG[DE]; DUJARDIN RALF ,[DE]; BUBLITZ MILE DIRK [DE]; NEUMANN HER) 21 August 1997** **- WO 92/03927 A (PERYCUT CHEMIE AG [CH]) 19 March 1992** **Examiner: Majed I.Al-Rufayyig**

[54] INSECT-REPELLENT FIBER

[57] Abstract: The invention provides an insect-repellent fiber which is pliable and excellent in fabrication quality.

The invention relates to an insect-repellent fiber obtained by melt-spinning an insect-repellent resin composition which comprises a pyrethroid type insect-repellent compound whose vapor pressure is 1 X 10^{-6} mmHg or lower at 20°C, an antioxidant and an ethylene based resin, characterized in that the content of said pyrethroid type insect-repellent compound in 1 kg of said insect-repellent fiber is from 10 to 300 g, and in that the content of said antioxidant in 1 kg of said insect-repellent fiber is from 250 to 500 mg.

No. of claims: 4

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

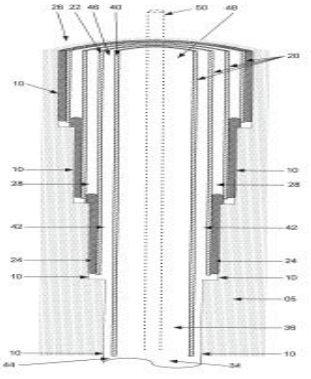
[12] Patent

[11] Patent No.: GC 0001579 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21804 Date of the Decision to Grant the Patent: 10/03/2011
[21] Application No.: GCC/P/2006/7226 [22] Filing Date: 15/11/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 11/282,424 18/11/2005 US [72] Inventors: 1- John M. Daniel، 2- Don M. Coates [73] Owners: 1- Chevron U.S.A. Inc. Bollinger Canyon Road, San Ramon 6001, 94583-4289, California ,USA ، 2- Lucite International, 7275 Goodlett Farms Parkway,38016-4909, Tennessee, USA [74] Agent: Saud M. A. Shawwaf	[51] Int. Cl.[7]: E21B 33/13, E21B 43/00, E21B 43/12 [56] Cited Documents: - US 2005/0194144 A1 (HALLIBURTON ENERGY SERV INC.) 08 September 2005 - US 2004/0149431 A1 (HALLIBURTON ENERGY SERVICES INC.) 05 August 2004 - US 5927405 A (ABB VETCO GRAY INC.) 27 July 1999 - US 4417625 A (MOBELL BLOWOUT SERVICES LTD.) 29 November 1983 Examiner: Mohammed A. Aljaffar

[54] CONTROLLING PRESSURE AND STATIC CHARGE BUILD UP WITHIN AN ANNULAR VOLUME OF A WELLBORE

[57] Abstract: A process is described for replacing at least a portion of the liquid within the annular volume of a casing system within a wellbore with a second liquid. The second liquid comprising at least one polymerizable monomer and at least one antistatic agent to control build up of static charge. The second fluid is preselected to provide a measure of control of the pressure within the annular volume as the fluid within the volume is being heated.

No. of claims: 56 No. of figures: 4



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001580 **[45] Date of Publishing the Grant of the Patent:** **30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24492** **Date of the Decision to Grant the Patent: 05/06/2011**
[21] Application No.: GCC/P/2005/4984 **[22] Filing Date: 03/08/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0415548.7 127/02004 GB** **0507058.6 07/04/2005 GB** **[72] Inventors: 1- Alan James Roddis، 2- Andrew Colverson** **[73] Owner: AES Engineering Limited,Mill Close,Bradmarsh Business Park , Rotherham, S 60 1BZ, England** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. CI. (2010.01): F16J 15/16, 15/447** **[56] Cited Documents:** **- CH 369329 A (AKTIEBOLAGET SVENSKA KULLAGERFABRIKEN) 15 May 1963** **- WO 00/11380 A (ISOTECH OF ILLINOIS, INC; ORLOWSKI, DAVID, C) 02 March 2000** **- US 2894769 A (RICHMOND NELSON R et al.) 14 July 1959** **Examiner: fahad mohammed al baker**

[54] NON - CONTACTING BEARING PROTECTOR

[57] Abstract: An isolator seal comprises a stator member (1 7) for location into the stator of rotating equipment and a rotor member (14) for location onto a rotary shaft of the rotating equipment. These two members provide respective adjacent surfaces (82/83) and a static shut-off device (81) engages both adjacent surfaces when the rotor member is static and disengages one or more of said surfaces when the rotor member is dynamic.

in one aspect of the present invention at least one of said surfaces is inclined to the longitudinal axis at an angle greater or less than 90°.

in a further aspect of the present invention the static shut-off device comprises a resilient annular sealing member (354) and an auxiliary member (357), movable between a first position, whe the rotor member is static, at which said auxiliary member compresses said resilient annular member into engagement with both said surfaces, and a second position at which the compression on said resilient member is reduced, whereby the resilient annular member disengages one or more of said rotor and stator surfaces when the rotor is dynamic.

No. of claims: 22 No. of figures: 25

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001581 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22921** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2004/3308 **[22] Filing Date: 20/03/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0306333.6 20/03/2003 GB** **[72] Inventors: 1- FLETCHER, Philip‹2- EAGLAND, Donald‹3- CROWTHER, Nicholas John‹4- CRABTREE, Michael John** **[73] Owner: Advanced Gel Technology Limited, Unit 41, Campus Road, Listerhills Science Park, Bradford, BD7 1HR , West Yorkshire, United Kingdom** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: E21B 33/138** **[56] Cited Documents:** **- US 4939203 A (MARROCCO) 3 July 1990** **- US 5335733 A (DOVAN HOAI T et al.) 09 August 1994** **- US 6103772 A (SYDANSK ROBERT D) 15 August 2000** **- EP 0577010 A (PHILLIPS PETROLEUM CO) 05 January 1994** **Examiner: Yahiya Naser Al-BuSafi**

[54] RESTRICTING FLUID PASSAGE AND NOVEL MATERIALS THEREFOR

[57] Abstract: Water problems in the production of oil or gas from subterranean formations is addressed by providing a method of restricting passage of a fluid from a first location to a second location in subterranean formation by injecting into the formation a formulation comprising a first material, for example a dialdehyde, arranged to cross-link a second polymeric material, for example polyvinyl alcohol, thereby to form a polymeric material of high viscosity which may block the passage between the first and second locations.

No. of claims: 27

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001582 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22895** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2002/2393 **[22] Filing Date: 17/12/2002** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/022,593 17/12/2001 US** **[72] Inventor: Opinder Kishan BHAN** **[73] Owner: Shell Internationale Research Maatschappij B. V., Carel van Bylandtlaan 30, 2596 HR, The Hauge, The Netherlands** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: C10G 49/04, 45/08; B01J 27/19, 23/85, 27/18, 37/02** **[56] Cited Documents:** **- US 3840473 A (BEUTHER H et al.) 08 October 1974** **- US 4102822 A (MULASKEY BERNARD F) 25 July 1978** **- GB 1440230 A (SHELL INT RESEARCH) 23 June 1976** **- US 3285860 A (RICHARDSON RYDEN L) 15 November 1996** **- WO 93 02158 A (MOBIL OIL CORP) 04 February 1993** **Examiner: Yahiya Naser Al-BuSafi**

[54] ARSENIC REMOVAL CATALYST AND METHOD FOR MAKING SAME

[57] Abstract: A catalyst for removing arsenic from petroleum feedstocks comprising a porous refractory support impregnated with at least 8 wt. % of a Group VIB metal and an amount of Group VIII metal such that atomic ratio of Group VIII metal to Group VIB is between about 1.5 and 2.5. A method of making such catalyst and a process for removing arsenic metals from a petroleum fraction using said catalyst.

No. of claims: 9

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001583 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22923** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2003/2739 **[22] Filing Date: 25/06/2003** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/392,657 08/06/2002 US** **[72] Inventors: 1- Randall Clayton YEATES، 2- Donald REINALDA، 3- John Robert LOCKEMEYER** **[73] Owner: Shell Internationale Research Maatschsppij B.V., Carel van Bylandtlaan 30, 2596 HR, The Hauge, The Netherlands** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: B01J 37/08, 37/14, 23/50, 23/68; C07D 301/10** **[56] Cited Documents:** **- WO 96/04989 A (SCIENT DESIGN CO) 22 February 1996** **- EP 0933130 A (ERDOELECHEMIE GMBH) 04 August 1999** **- EP 0266015 A (SHELL INT RESEARCH) 04 May 1988** **- GB 1489335 A (SHELL INT RESEARCH) 19 October 1977** **- WO 2004/002972 A (WERMINK THIJS; REKERS DOMINICUS MARIA (NL); TE RAA AREND JAN (NL)) 08 January 2004** **Examiner: Yahiya Naser Al-BuSafi**

[54] A METHOD FOR IMPROVING THE SELECTIVITY OF A CATALYST AND A PROCESS FOR THE EPOXIDATION OF AN OLEFIN

[57] Abstract: A method for improving the selectivity of a supported highly selective epoxidation catalyst comprising silver in a quantity of at most 0.19 g per m^2 surface area of the support, which method comprises contacting the catalyst, or a precursor of the catalyst comprising the silver in cationic form, with a feed comprising oxygen at a catalyst temperature above 250 ^oC. for a duration of up to 150 hours, and subsequently decreasing the catalyst temperature to a value of at most 250 ^oC.; and a process for the epoxidation of an olefin, which process comprises contacting a supported highly selective epoxidation catalyst comprising silver in a quantity of at most 0.19 g per m^2 surface area of the support, or a precursor of the catalyst comprising the silver in cationic form, with a feed comprising oxygen at a catalyst temperature above 250 ^oC. for a duration of up to 150 hours, and subsequently decreasing the catalyst temperature to a value of at most 250 ^oC. and contacting the catalyst with the feed comprising the olefin and oxygen.

No. of claims: 11

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001584 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/22925 Date of the Decision to Grant the Patent: 28/03/2011
[21] Application No.: GCC/P/2003/2741 [22] Filing Date: 25/06/2003 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/392,679 28/06/2002 US [72] Inventors: 1- Wayne Errol EVANS، 2- John Robert LOCKEMEYER، 3- Dominicus Maria REKERS، 4- Arend Jan TE RAA، 5- Thijs WERMINK [73] Owner: Shell Internationale Research Maatschsppij B.V., Carel van Bylandtlaan 30, 2596 HR, The Hauge, The Netherlands [74] Agent: Suleiman I. Al-Ammar	[51] Int. Cl.[7]: C07D 301/10 [56] Cited Documents: - WO 96/04989 A (SCIENT DESIGN CO) 22 February 1996 - EP 0933130 A (ERDOELCHEMIE GMBH) 04 August 1999 - EP 0266015 A (SHILL INT RESEARCH) 04 May 1988 - GB 1489335 A (SHELL INT RESEARCH) 19 October 1977 - WO 2004/002972 A (WEMINK THIJS; REKERS DOMINICUS MARIA (NL); TE RAA AREND JAN (NL)) 08 January 2004 Examiner: Yahiya Naser Al-BuSafi

[54] A METHOD FOR THE START-UP OF AN EPOXIDATION PROCESS AND A PROCESS FOR THE EPOXIDATION OF AN OLEFIN

[57] Abstract: A method for the start-up of a process for the epoxidation of an olefin, which method comprises contacting a catalyst bed comprising a silver-based highly selective epoxidation catalyst, or a precursor of the catalyst comprising the silver in cationic form, with a feed comprising oxygen at a temperature of the catalyst bed above 260°C. for a period of at most 150 h., and subsequently decreasing the temperature of the catalyst bed to a value of at most 260 °C., and a process for the epoxidation of an olefin, which process, comprises contacting a catalyst bed comprising a silver-based highly selective epoxidation catalyst, or a precursor of the catalyst comprising the silver in cationic form, with a feed comprising oxygen at a temperature of the catalyst bed above 260 °C. for a period of at most 150 h., and subsequently decreasing the-temperature of the catalyst bed to a value of at most 260 °C. and contacting the catalyst with the feed comprising the olefin and oxygen.

No. of claims: 9 No. of figures: 1

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

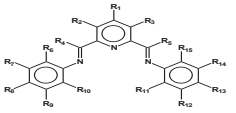
(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] **Patent**

[11] Patent No.: GC0001585 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22913** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2005/4460 **[22] Filing Date: 23/03/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **04251688.0 24/03/2004 EP** **[72] Inventors: 1- Johan Paul SMIT، 2- Eric Johannes Maria DE BOER، 3- Harry VAN DER HEIJDEN، 4- Arie VAN ZON، 5- Qouc An ON** **[73] Owner: Shell Internationale Research Maatschappij B. V,Carel van Bylandtlaan 30, 2596 HR, The Hague the Netherlands** **[74] Agent: Suleiman I. Al-Ammar**	**[51]Int. Cl.[7]: C07F 13/00, 15/00** **[56] Cited Documents:** **- WO 00/24788 A (BP CHEMICALS LIMITED; BP CHIMICHALS S.N.C; BERARDI, ALAIN; SPEAKMAN, JO) 04 May 2000** **- WO 00/15646 A (BP CHIMICHALS LIMITED; GIBSON, VERNON, CHARLES; KIMBERLEY, BRAIN, STEPH) 23 March 2000** **- WO 99/12981 A (BP CHIMICHALS LIMITED; BRITOVESK, GEORGE, JOHAN, PETER; DORER, BIRGIT,) 18 March 1999** **- WO 02/00339 A (SHELL INTERNATIONALE RESEARCH MATDCHAPPIJ B.V) 03 January 2002** **Examiner: Yahiya Naser Al-BuSafi**

[54] TRANSITION METAL COMPLEXES

[57] Abstract: A transition metal complex which is a bis-arylimine pyridine MX_n complex, comprising a bis-arylimine pyridine ligand having the formula (I) below:



(I)

wherein R_1-R_5, R_7-R_9, R_{12} and R_{14} are each, independently, hydrogen, optionally substituted hydrocarbyl, an inert functional group, or any two of R_1-R_3 and R_7-R_9 vicinal to one another taken together may form a ring, and R_6 is hydrogen, optionally substituted hydrocarbyl, an inert functional group, or taken together with R_7 or R_4 to form a ring, R_{10} is hydrogen, optionally substituted hydrocarbyl, an inert functional group, or taken together with R_9 or R_4 to form a ring, R_{11} is hydrogen, optionally substituted hydrocarbyl, an inert functional group, or taken together with R_{12} or R_5 to form a ring, R_{15} is hydrogen, optionally substituted hydrocarbyl, an inert functional group, or taken together with R_{14} or R_5 to form a ring, provided that R_{13} and at least one of R_{12} and R_{14} are independently selected from optionally substituted C_1–C_{30} alkyl, optionally substituted C_4–C_{30} alkyloxy, halogen and optionally substituted C_5–C_{20} aryl, or R_{13} taken together with R_{12} or R_{14} form a ring, or R_{12} taken together with R_{11} form a ring and R_{14} taken together with R_{15} form a ring, and provided that at least one of R_{12}, R_{13} and R_{14} is optionally substituted C_4–C_{30} alkyloxy;

M is a transition metal atom in particular selected from Ti, V, Cr, Mn, Fe, Co, Ni, Pd, Rh, Ru, Mo, Nb, Zr, Hf, Ta, W, Re, Os, Ir or Pt;n matches the formal oxidation state of the transition metal atom M; and X is halide, optionally substituted hydrocarbyl, alkoxide, amide, or hydride.The transition metal complexes of the present invention, their complexes with non-coordinating anions and catalyst systems containing such complexes have good solubility in non-polar media and chemically inert non-polar solvents especially aromatic hydrocarbon solvents. The catalyst systems can be used for a wide range of (co-)oligomerization, polymerization and dimerization reactions.

No. of claims: 27

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] **Patent**

[11] Patent No.: GC0001586 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22909** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2005/5121 **[22] Filing Date: 06/09/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **04255442.8 06/09/2004 EP** **[72] Inventors: 1- Laszlo DOMOKOS، 2- Willem Hartman Jurriaan STORK، 3- Hermanus JONGKIND، 4- Marcello Stefano RIGUTTO، 5- Esther Hillegarda Carola VAN DE VOORT** **[73] Owner: Shell Internationale Research Maatschappij B. V., Carel van Bylandtlaan 30, 2596 HR, The Hauge, The Netherlands** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: C10G 47/16; B01J 29/16, 37/03** **[56] Cited Documents:** **- US 3536605 A (JAMES R. KITTRELL) 27 October 1970** **- US 3875081 A (YOUNG et al.) 01 April 1975** **- EP 028938 A (UNION CARBIDE CORPORATION) 20 May 1981** **- GB 2114594 A (CHEVRON RESEARCH COMPANY) 24 August 1983** **- US 857171 A (HOEK et al.) 15 August 1989** **Examiner: Yahiya Naser Al-BuSafi**

[54] HYDROCRACKING CATALYST COMPOSITION

[57] Abstract: The invention provides an unsupported catalyst composition which comprises one or more Group VIb metals, one or more Group VIII metals, one or more zeolites, and, opyionally, refractory oxide material. A (co) precipitation preparation process is described and also use of the composition in hydrocracking.

No. of claims: 15

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001587 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22903** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2006/6694 **[22] Filing Date: 31/07/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **05254835.1 02/08/2005 EP** **[72] Inventors: 1- Hendrik STICHTER، 2- Johannes Theodorus Gertruda WIJENBERG، 3- Eugene Marie Godfried Andre VAN KRUCHTEN** **[73] Owner: Shell Internationale Research Maatschappij B. V., Carel van Bylandtlaan 30, 2596 HR, The Hauge, The Netherlands** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: C07D 317/36** **[56] Cited Documents:** **- KASUGA K. et al: "The fixation of carbon dioxide with 1,2-epoxypropane catalyzed by alkali-metal halide in the presence of a crown ether"** **- ALDRICH: "Handbook of Fine Chemicals and Laboratory Equipment, 15-Crown-5"** **- US 5138073 A (HARVEY ROBERT J [US]) 11 August 1992** **Examiner: Yahiya Naser Al-BuSafi**

[54] PROCESS FOR THE PREPARATION OF ALKYLENE CARBONATES

[57] Abstract: A process for the catalytic carboxylation of alkylene oxides with carbon dioxide, in the presence of a catalytic composition and water, wherein the catalyst composition comprises an alkali metal halide and a macrocyclic chelating compound.

No. of claims: 10

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

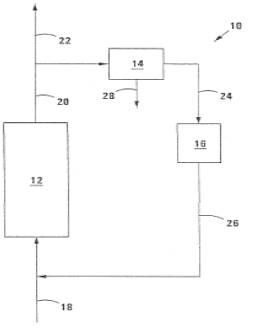
[12] Patent

[11] Patent No.: GC0001588 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/23440** **Date of the Decision to Grant the Patent: 04/04/2011**
[21] Application No.: GCC/P/2006/6542 **[22] Filing Date: 08/07/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/642.937 11/01/2005 US** **[72] Inventors: 1- VELTMAN, Hans Marcel، 2- VISAGIE, Jacobus Lucas** **[73] Owners: 1- SASOL TECHNOLOGY (PROPRIETARY) LIMITED, 1 Sturdee Avenue, Rosebank, Johannesburg, South Africa, 2- Basf Nederland B.V, Groningensingle 1, 6835EA, Netherlands** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: B01J 23/75, 37/18; C10G 2/00; C07C 1/04** **[56] Cited Documents:** **- US 2003057132 A (EXXONMOBIL RES & ENG CO) 27 March 2003** **- US 2002/0052289 A1 (CONOCO INC) 02 May 2002** **- WO 092/06784 A1 (EXXON RES & ENG CO) 30 April 1992** **- US 5929126 A (EXXON RES & ENG CO) 27 July 1999** **Examiner: Yahiya Naser Al-BuSafi**

[54] A PROCESS FOR PRODUCING A SUPPORTED FISCHER-TROPSCH CATALYST

[57] Abstract: A process for producing a supported Fischer-Tropsch catalyst includes treating, in an activation stage (12), a particulate pre-reduction cobalt nitrate-based supported Fischer-Tropsch synthesis catalyst precursor containing reducible cobalt oxide, with hydrogen as a reducing gas in order to reduce the cobalt oxides over a period of time to Co, with ammonia and water being formed, the reduction including a time period when predominantly CoO is reduced to Co. Unreacted hydrogen is withdrawn, which thus unreacted hydrogen is returned to the activation stage (12)as recycle hydrogen. An ammonia concentration is maintained in the activation stage (12), at least during the time when predominantly CoO is reduced to Co, of less than 150 volume parts per million ("vppm").

No. of claims: 6 No. of figures: 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

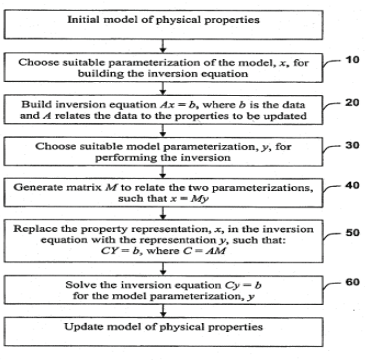
[12] Patent

[11] Patent No.: GC 0001589 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/24499 Date of the Decision to Grant the Patent: 05/06/2011
[21] Application No.: GCC/P/2006/6661 [22] Filing Date: 26/07/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/703,162 28/07/2006 US [72] Inventors: 1- Jerome R. Krebs، 2- Jonathan Liu، 3- Lorie K. Bear [73] Owner: ExxonMobil Upstream Research Company,Box .O.P 2189,Houston 77252-2189, Texas,U.S.A [74] Agent: Saud M. A. Shawwaf	[51] Int. Cl.[7]: G01V 1/28 [56] Cited Documents: - US 6,868,037 A (DASGUPTA et al.) 15 March 2005 - US 6,253,,157 A (KREBS) 26 June 2001 Examiner: Mohammed A. Aljaffar

[54] METHOD FOR TOMOGRAPHIC INVERSION BY MATRIX TRANSFORMATION

[57] Abstract: Method for reducing instability and increasing computational efficiency in tomographic inversion for velocity model building. A system of tomographic equations is developed for a uniform grid. A non-uniform parameterization is found for which a linear mapping exists between the space of the uniform grid and the space of the non-uniform grid. The matrix that relates velocity to the tomographic data in the non-uniform representation is then given by the matrix product of the corresponding matrix in the uniform grid representation and the mapping matrix. Inversion can then be performed for the non-uniform parameterization on a smaller, more stable matrix.

No. of claims: 10 No. of figures: 4



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

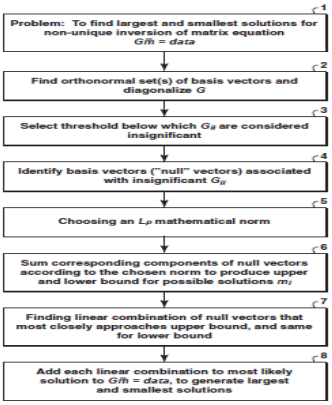
[12] **Patent**

[11] Patent No.: GC 0001590 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24497** **Date of the Decision to Grant the Patent: 05/06/2011**
[21] Application No.: GCC/P/2006/6569 **[22] Filing Date: 12/07/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/698,760 13/07/2005 US** **[72] Inventors: 1- Rebecca L. Saltzer، 2- Robert G. Keys، 3- Christopher J. Finn** **[73] Owner: ExxonMobil Upstream Research Company, P.O. Box 2189, Houston, Texas, USA** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: G01V 1/00; G06F 17/00** **[56] Cited Documents:** **- ROWBOTHAM P S et al.; "Improved inversion through use of the null space" GEOPHYSICS SOC. EXPLORATION GEOPHYSICISTS USA, Vol. 62, No. 03 May 1997** **Examiner: Mohammed A. Aljaffar**

[54] METHOD FOR PREDICTING THE BEST AND WORST IN A SET OF NON-UNIQUE SOLUTIONS

[57] Abstract: Method for determining best and worst cases for values of model parameters such as porosity and shale volume fraction generated by non-unique matrix inversion of physical data such as seismic reflection amplitudes. The matrix is diagonalized, and then orthonormal basis vectors associated with insignificant diagonal elements are used to generate upper and lower bounds on the solution. Best and worst case solutions are determined as linear combinations of the null basis vectors, where the expansion coefficients are determined by making a best fit to the upper and lower bounds.

No. of claims: 7 No. of figures: 2



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001591 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22884** **Date of the Decision to Grant the Patent: 28/03/2011**
[21] Application No.: GCC/P/2007/7743 **[22] Filing Date: 07/02/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **102006005861.5 09/02/2006 DE** **[72] Inventors: 1- Dr. David BRUECKNER، 2- Dr. Kerstin HENNINGER، 3- Dr. Chantal FUERSTNER، 4- Dr. Dieter LANG، 5- Dr. Kai THEDE، 6- Dr. Holger ZIMMERMANN، 7- Dr. Rudolf SCHOHE-LOOP** **[73] Owner: AiCuris GmbH & Co. KG, Aprather Wig 18a, 42117, Wupperta, Germany** **[74] Agent: Suleiman I. Al-Ammar**	**[51] C07D401/04, 498/04, 471/10, 498/10, 401/14,** **[56] Cited Documents:** **- WO 00/40561 A (UPJOHN CO [US]; TURNER STEVEN RONALD [US]; STROHBACH JOSPEPH WALTER [US) 13 July 2000** **- WO 02/085886 A (DE SOUZA NOEL J [IN]; PATEL MAHESH V [IN]; DESHPANDE PRASAD K [IN]; AG) 31 October 2002** **Examiner: Fahed Zoaid AlMutairi**

[54] SUBSTITUTED QUINOLONES III

[57] Abstract: The invention relates to substituted quinolones and to processes for their preparation as well as to their use for the production of medicaments for the treatment and/or prophylaxis of diseases, especially for use as antiviral agents, particularly against cytomegaloviruses.

No. of claims: 9

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

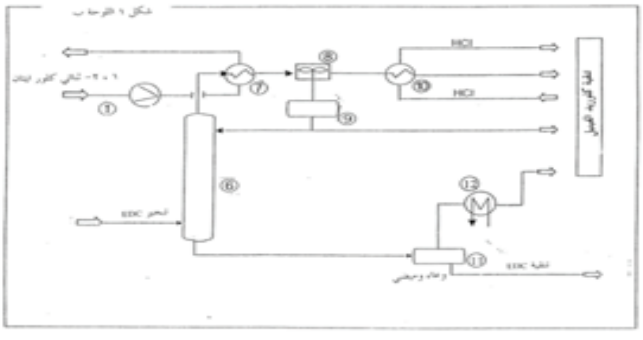
[12] Patent

[11] Patent No.: GC 0001592 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/23527** **Date of the Decision to Grant the Patent: 09/04/2011**
[21] Application No.: GCC/P/2004/3330 **[22] Filing Date: 24/03/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **DE10316987.3 11/04/2003 DE** **DE10326248.2 02/02/2003 DE** **[72] Inventors: 1- Ingolf MIELKE، 2- Peter KAMMERHOFER، 3- Peter SCHWARZMAIER** **[73] Owner: Vinnolit GmbH & Co. KG,Profit Center VinTec,Werk Gendorf , 84508 Burgkirchen,Germany** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int.Cl.[7]: C07C 17/25; C07C 21/06; B01J 19/24** **[56] Cited Documents:** **-EP 0270007 A (TOSOH CORP) 08 June 1988** **Examiner: Nayef H. Aljmi**

[54] APPARATUS AND PROCESS FOR THE PRODUCTION OF VINYL CHLORIDE BY THERMAL CRACKING OF 1,2-DICHLORORTHANE

[57] Abstract: The invention relates to a process for the production of vinyl chloride by thermal cracking, in which the energy balance, the operating time of the cracking furnace and/or the yield of the reaction are distinctly enhanced in comparison with the prior art. A pressure of from 1.4 to 2.5 MPa is established in the cracking coil at a temperature of from 450 to 550 DEG C and, for pre-heating the EDC (=1,2-dichloroethane) introduced, inter alia the waste heat of the gas stream leaving the top of the
quench column is utilized.

No. of claims: 12 No. of figures: 2



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001593

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22780

Date of the Decision to Grant the Patent: 27/03/2011

[21] Application No.: GCC/P/2003/2793
[22] Filing Date: 23/07/2003
[30] Priority:
[31] Priority No. [32] Priority date [33] State
60/398.691 26/07/2002 US

[72] Inventors: 1- SHAUN FITZPATRICK،2- CHRISTIAN SEILER،3- CATHERINE R. PETTS،4- WILLIAM D. MOORE،5- ROBERT SAKLATVALA

[73] Owners: 1- MERCK SHARP & DOHME LIMITED, Hertford Road, hoddesdon, Hertfordshire EN11 9BU, United Kingdom ، 2- SCHERING CORPORATION, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530, USA

[74] Agent: Nassir Ali Kadasa

[51]Int. CI.[7]: A61K 31/397

[56] Cited Documents:
- WO 9508532 A (CLADER JOHN W ;DUGAR SUNDEEP (US); SCHERING CORP (US); BURNETT DUA) 30 March 1995
- US 6218403 B1 (HERBERT JEAN MARC et al.) 17 April 2001

Examiner: Nada Al-Behiji

[54] PHARMACEUTICAL FORMULATION

[57]Abstract:Present invention provides pharmaceutical composition comprising at least one cholesterole absorbtion inhibitor and one HMG-CoA reductase inhibitor, one or more antioxidants, microcrystalline cellulose, hydroxypropyl methylcellulose, magensium stearate and lactose. Compositions requre no ascorbic acid to maintain desired stability.

No. of claims: 33

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001594 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22757** **Date of the Decision to Grant the Patent: 27/03/2011**
[21] Application No.: GCC/P/2005/4876 **[22] Filing Date: 06/07/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/884.967 07/07/2004 US** **[72] Inventors: 1- Malte Schulz، 2- Peter Schultz، 3- Meinolf Weidenbach، 4- Hans-Georg Gobbel، 5- Renate Patrascu، 6- Henning Schultz** **[73] Owners: 1- BASF AKTIENGESELLSCHAFT, 67056 Ludwigshafen, Germany ، 2- The DOW CHEMICAL COMPANY, 2030 Dow Center, Mildland, MI 48674, USA** **[74] Agent: Nassir Ali Kadasa**	**[51] Int. Cl.[7]: C07D 301/32** **[56] Cited Documents:** **- US 5849938 A (ARCO CHIMICAL TECHNOLOGY, L.P) 15 December 1998** **- WO 024298 A1 (ENICGEM S.P.A) 21 February 2002** **- US 4140588 A (HALCON RESEARCH AND DEVELOPMENT CORPORATION) 20 February 1979** **- US 6500311 B1 (ARCO CHIMICAL TECHNOLOGY, L.P) 31 December 2002** **- US 5620568 A (TEXACO CHIMICAL INC) 15 April 1997** **Examiner: Yahiya Naser Al-BuSafi**

[54] SEPARATION OF PROPYLENE OXIDE FROM A MIXTURE COMPRISING PROPYLENE OXIDE AND METHANOL

[57] Abstract: A method of separating propylene oxide from a mixture (M) comprising propylene oxide and methanol, said method comprising

(i) introducing said mixture (M) into an extractive distillation column;

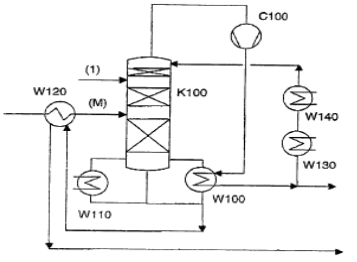
(ii) additionally introducing an extracting solvent into said extractive distillation column;

(iii) distilling propylene oxide overhead from said extractive distillation column as top stream;

(iv)withdrawing a bottoms stream from said extractive distillation column;

(v) compressing the top stream obtained overhead in (iii) by means of at least one compressor to give a compressed vapor.

No. of claims: 13 No. of figures: 5



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

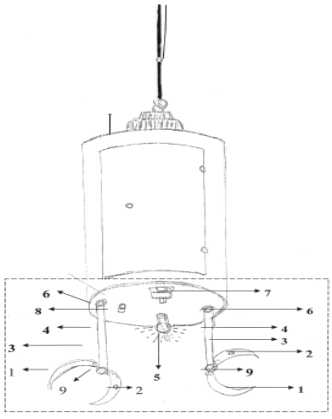
[12] **Patent**

[11] Patent No.: GC 0001595 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24572** **Date of the Decision to Grant the Patent: 07/06/2011**
[21] Application No.: GCC/P/2007/8596 **[22] Filing Date: 27/06/2007** **[72] Inventor: Abdullah Mohammed Abdulrahman Altukhais** **[73] Owners: 1- Abdullah Mohammed Abdulrahman Altukhais، 2- Azzam Abdullah Mohammed Altukhais، 3- Rayan Abdullah Mohammed Altukhais، 4- Fawaz Othman Ibrahim Altukhais**	**[51] Int. Cl.[7]: A62B 37/00; E21F 11/00** **[56] Cited Documents:** **- CN 2887344 Y (CHINESE PEOPLE KAVASS FORCE COLLEGE) 11 April 2007** **Examiner: Mohammed A. Aljaffar**

[54] RESCUE DEVICE FOR DETAINED PERSON IN ARTESIAN WELLS

[57] Abstract: A rescue device used to rescue the detained person in the artesian wells is provided. The device consists of two arms (3) and two hooks (1) to hold the detained person, and a tube to provide the detain person with oxygen , in addition to a digital camera (7) to shot the rescue process, a pulse reader (2) to know the healthy state of the detained person, an illumination unit (5) for clear vision, a power supply, whether dry batteries when the device is run. Moreover, a transmission and receiving device between the rescue device and the cabinet is available in a craned vehicle.

No. of claims: 7 No. of figures: 4



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

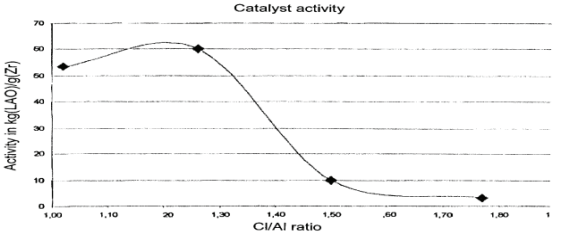
[12] Patent

[11] Patent No.: GC0001596 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24792** **Date of the Decision to Grant the Patent: 15/06/2011**
[21] Application No.: GCC/P/2005/5059 **[22] Filing Date: 20/08/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/606,730 02/09/2004 US** **[72] Inventors: 1- James Thomas Tidwell، 2- Eric Jackson Fugate، 3- Peter Matthias Fritz، 4- Brent Alan Tennant، 5- Heinz Bolt، 6- Howard Wood Jenkins, Jr، 7- Thomas Earl Woodruff، 8- Charles Helton Hitchcock، 9- Holger Hackner، 10- Ernest William Arnold, III، 11- Puneet Gupta، 12- Atiea Aburaqabah،13- Mohammed Zahoor،14- Charles Edwan Sumner, Jr.،15- Fouad M Mousa،16- Marcel de Vreede،17- Thomas Young Lightfoot** **[73] Owners: 1- Linde AG, Abraham-Lincoln-Str. 21 D-65189 Wiesbaden, Germany ،2- Saudi Basic Industries Corporation (Sabic), B.O.BOX 5101 Riyadh 11422, KSA** **[74] Agent: Ahmed Najdat Bazarbashe**	**[51] Int. Cl.[7]: B01J 31/04, 31/14; C07C 2/22, 2/26, 2/30, 2/88; C08F 10/02, 4/642** **[56] Cited Documents:** **- US 2002/147375 A1 (TEMBE GOPAL LAXMAN et al.) 10 October 2002** **- US 5449850 A (YOUNG et al.) 12 September 1995** **- US 4966874 A (YOUNG et al.) 30 October 1990** **- FR 2689500 A (INSTITUT FRANCAIS PETROLE) 08 October 1993** **- US 4434312 A (LANGER, JR. et al.) 28 February 1984** **- DE 19812066 A1 (LINDE AG, 65189 WISEBADEN, DE) 07 January 1999** **- US 3862257 A (BUBEN et al.) 21 January 1975** **Examiner: Yahiya Naser Al-BuSafi**

[54] IMPROVED CO- CATALYST FOR THE PRODUCTION OF LINEAR ALPHA- OLEFINS

[57] Abstract: The invention relates to a homogeneous catalyst for the production of linear alpha-olefins by means of the oligomerisation of ethylene, consisting of a zirconium salt of oraganic acids and a co-catalyst which consists of aluminium alkyls and aluminium chloride. By adjusting the molar ratio of chlorine to aluminium in the co-catalyst in the range between 1.0 and 1.5m the activity of the catalyst system can in some cases be increased considerably. The economic efficiency of the production process and the purity of the product are improved.

No. of claims: 2 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] **Patent**

[11] Patent No.: GC 0001597 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24796** **Date of the Decision to Grant the Patent: 15/06/2011**
[21] Application No.: GCC/P/2006/6852 **[22] Filing Date: 02/09/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **2005-253774 01/09/2005 JP** **[72] Inventor: Jyunji NIIMOTO** **[73] Owner: CHUGOKU MARINE PAINTS , LTD,1-7, Meijishinkai, Ohtake-shi, Hiroshima, JAPAN** **[74] Agent: Ahmed najdat bazarbashe**	**[51] Int. Cl.[7]: C09D 133/00; B05D 5/00; B32B 15/08; C09D 5/16; C09D 7/12; C09D143/00** **[56] Cited Documents:** **- WO 2003/070832 A (29JOTUNAS) , 28 August** **- JP 2000-005692 A (Nippon Paint Marina Coatings Co., Ltd.) 11 January, 2000** **Examiner: Bander M. Al-Thobity**

[54] ANTIFOULING PAINT COMPOSITION ,ANTIFOULING COATING FILM, SUBSTRATE WITH COATING FILM, ANTIFOULING SUBSTRATE, FORMING METHODOF COATING FILM ON THE SURFACE OF THE SUBSTRATE AND ANTIFOULING METHOD OF SUBSTRATE

[57] Abstract:

No. of claims: 45

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

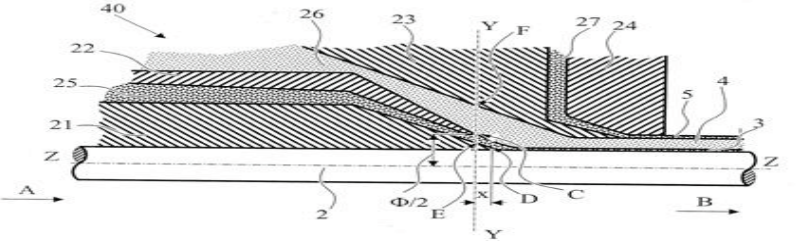
[12] Patent

[11] Patent No.: GC 0001598 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/24553 Date of the Decision to Grant the Patent: 05/06/2011
[21] Application No.: GCC/P/2005/5416 [22] Filing Date: 22/11/2005 [30] Priority: [31] Priority No. [32] Priority date [33] State PCT2004/013289 23/11/2004 CH [72] Inventors: 1- Alberto BAREGGI،2- Gaia DELL ANNA،3- Sergio BELLI [73] Owner: PRYSMIAN CAVI E SISTEMI ENERGIA S.R.L, Viale Sarca 222 MILLANO-ITALY [74] Agent: Ahmed najdat bazarbashe	[51] Int. Cl.[7]: H01B 13/14 [56] Cited Documents: - US 3737490 A (NICHOLSON P , GB) 05 June 1973 - EP 0534208 A (SIEMENS AKTIESELLSCHAFT) 31 March 1993 - US 4093414 A (SWIATOVY, JR. et al.) 06 June 1978 Examiner: Ebrahim Al-Obody

[54] CABLE MANUFACTURING PROCESS

[57] Abstract: The present invention concerns a process for manufacturing a cable, said cable comprising: a conductor; an inner semiconductive layer surrounding said conductor and having a thickness lower than or equal to 0.4 mm;, and an insulating layer surrounding said inner semiconductive layer. The process comprises the step of co-extruding the inner semiconductive layer and the insulating layer. Said step comprises: a) providing a first annular flow of inner semiconductive material and a second annular flow of insulating material; b) contacting the outer surface of said first annular flow and the inner surface of said second annular flow at an axial distance from the contacting point where the inner surface of said first annular flow contacts the conductor; c) selecting in combination said predetermined feeding speed and said contacting point (D), as a function of the dynamic viscosity (η) of the inner semiconductive material and of the insulating material, so that a ratio between the shear stress of the inner semiconductive layer at the radially inner wall of the extrusion die and the shear stress of the insulating layer at the radially outer wall of the extrusion die, in proximity of said contacting point, is comprised from about 0.5 to 4; d) compression extruding the insulating layer and the inner semiconductive layer onto the conductor.

No. of claims: 22 **No. of figures: 5**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

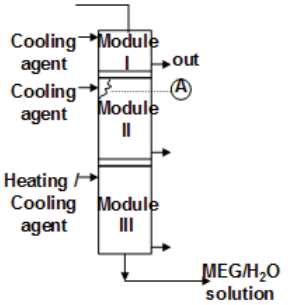
[12] Patent

[11] Patent No.: GC0001599 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/24774 Date of the Decision to Grant the Patent: 15/06/2011
[21] Application No.: GCC/P/2005/4970 [22] Filing Date: 30/07/2005 [30] Priority: [31] Priority No. [32] Priority date [33] State 04018548.0 05/08/2004 EP [72] Inventors: 1- Radu V. Vladea، 2- GHOSH, Mousumi، 3- Shahid N. Shaikh، 4- DEHNHARDT, Christoph، 5- Armando Araujo، 6- Neeta K.Kulkarni، 7- Kathleen A. Bethke، 8- CANTIN, Michel، 9- STOCKTON, Alan، 10- WINKLEY,Michael W، 11- GUINOSSO, Charles [73] Owner: Saudi Basic Industries Corporation(Sabic), B.O.BOX 5101 Riyadh 11422, Riyadh, KSA [74] Agent: Ahmed Najdat Bazarbashe	[51]Int. Cl.[7]: C07C 29/10; B01J 19/24 [56] Cited Documents: - GB 2037607 (JOHNSON MATTHEY & CO) 16 July 1980 - WO 02/34383 (UOP LLC) 02 May 2002 - EP 1234612 A2 (DEG INTENSE TECHNOLOGIES & SERVICES GMBH) 28 August 2002 - CA 2489299 A1 (NUVERA FUEL CELLS INC) 24 December 2003 - CA 2494849 A1 (VEOCYS INC) 24 December 2003 -CA 2502716 A1 (UHDE GMBH DEGUSSA AG) 29 April 2004 Examiner: Yahiya Naser Al-BuSafi

[54] CATALYTIC PROCESS AND APPARATUS FOR SELECTIVE HYDRATION OF ALKYLENE OXIDE.

[57] Abstract: The present invention relates to an apparatus for the catalytic production of alkylene glycol from alkylene oxide, comprising: a reactor having at least one heat exchange element incorporated therein, wherein a catalyst for the hydration of alkylene oxide to alkylene glycol is coated on the outer surface of the heat exchange element as well as to a process utilizing that apparatus.

No. of claims: 22 No. of figures: 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001600 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24790** **Date of the Decision to Grant the Patent: 15/06/2011**
[21] Application No.: GCC/P/2006/6456 **[22] Filing Date: 20/06/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/320,319 28/12/2005 US** **[72] Inventors: 1- Lixia Cai، 2- Wugeng Liang، 3- James W. Kauffman** **[73] Owner: SAUDI BASIC INDUSTRIES CORPORATION " Sabic", B.O.Box. 5101 Riyadh 11422, Riyadh, KSA** **[74] Agent: Ahmed Najdat Bazarbashe**	**[51] Int. Cl. [7]: C07C 51/235, 51/16; B01J 27/00, 27/188, 27/19, 27/192, 27/14** **[56] Cited Documents:** **- US 5198579 A (MITSUI TOATSU CHEM INC) 30 March 1993** **Examiner: Yahiya Naser Al-BuSafi**

[54] PROCESS FOR SYNTHESIZING A HETEROPOLY ACID CATALYST FOR OXIDATION OF UNSATURATED ALDEHYDES TO UNSATUATED CARBOXYLIC ACID

[57] Abstract: The present invention is for a process for making a heteropoly acid compound catalyst for oxidation of unsaturated aldehhydes, such as methacrolein to unsaturated carboxylic acids, such as methacrylic acid, said catalyst containing oxides of molybdenum, phosphorus, and M', wherein M' cesium, potassium, rubidium, or sodium and bismuth. The process is a synthesis of the catalyst with specific process conditions for addition of the bismuth compound as an aqueous slurry without nitric acid. A catalyst precursor is formed by removing the water and drying the solid particles. The heterploy acid compound catalyst is formed by calcination of the catalyst precursor.

No. of claims: 23

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001601 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/24799 Date of the Decision to Grant the Patent: 15/06/2011
[21] Application No.: GCC/P/2006/6069 [22] Filing Date: 08/04/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/668.780 06/04/2005 US [72] Inventors: 1- TURNER S. Derek، 2- CHAO Robert، 3- FATHEREE Paul R.، 4- GOLDBLUM Adam A.، 5- GENOV Daniel [73] Owner: THERAVANCE INC, Getaway boulevard, 94080, South San Francisco, USA [74] Agent: Ahmed Najdat Bazarbashe	[51]Int. Cl.[7]: C07D 451/04 [56] Cited Documents: - EP 0564650 A1 (KYOWA HAKKO KOGYO KK [JP]) 13 October 1993 Examiner: Ibrahim Abdullah Al-Malki

[54] CRYSTALLINE FORM OF A QUINOLINONE-CARBOXAMIDE COMPOUND

[57] Abstract: The invention provides a crystalline hydrochloride salt of 1-isopropyl-2-oxo-1,2-dihydroquinoline-3-carboxylic acid {(1*S*,3*R*,5*R*)-8-[(*R*)-2-hydroxy-3--(methanesulfonyl-methyl-amino)propyl]-8-azabicyclo[3.2.1]oct-3-yl}amide or a solvate thereof. The invention also provides pharmaceutical compositions comprising such crystalline salt forms, methods of using such crystalline salt forms to treat diseases associated with 5-HT_4 receptor activity, and processes useful for preparing such crystalline salt forms.

No. of claims: 23

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

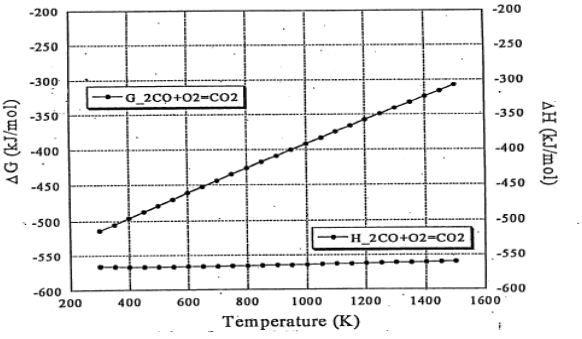
[12] Patent

[11] Patent No.: GC0001602 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/24776 Date of the Decision to Grant the Patent: 15/06/2011
[21] Application No.: GCC/P/2003/2592 [22] Filing Date: 12/04/2003 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/371,729 12/04/2004 US [72] Inventors: 1- Firooz RASOULI،2- Ping LI،3- Mohammad HAJALIGOL [73] Owner: Philip Morris Products Inc., 3601 Commerce Road, Richmond, Virginia 23234, Richmond, USA [74] Agent: Ahmed Najdat Bazarbashe	[51] Int.Cl.[7]: A24D 1/00 [56] Cited Documents: - WO 87/06104 A1 (HARDY et al.) 22 October 1987 - US 5258340 A (AUGUSTINE et al.) 02 November 1993 Examiner: Fahed Zoaid AlMutairi

[54] PARTIALLY REDUCED NANOPARTICLE ADDITIVES TO LOWER THE AMOUNT OF CARBON MONOXIDE AND/OR NITRIC OXIDE

[57] Abstract: Cut filler compositions, cigarettes, methods for making cigarettes and methods for smoking cigarettes which involve the use of partially reduced nanoparticle additives capable of acting as an oxidant for the conversion of carbon monoxide to carbon dioxide and/or as a catalyst for the conversion of carbon monoxide to carbon dioxide are provided. The compositions, articles and methods of the invention can be used to reduce the amount of carbon monoxide and/or nitric oxide present in mainstream smoke. The partially reduced additive can be formed by partially reducing Fe_2O_3, to produce a mixture of various reduced forms such as Fe_3O_4, FeO and/or Fe, along with unreduced Fe_2O_3.

No. of claims: 29 No. of figures: 25



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] **Patent**

[11] Patent No.: GC0001603 **[45] Date of Publishing the Grant of the Patent:** **30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24779** **Date of the Decision to Grant the Patent: 15/06/2011**
[21] Application No.: GCC/P/2001/1472 **[22] Filing Date: 04/07/2001** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **09/612159 07/07/2000 US** **[72] Inventor: Alla Konstantin Khanmamedova** **[73] Owner: SAUDI BASIC INDUSTRIES CORPORATION " Sabic", B.O.Box. 5101 Riyadh 11422, Riyadh, KSA** **[74] Agent: Ahmed Najdat Bazarbashe**	**[51] Int. Cl.[7]: C07C 27/10, 67/05, 51/02, 51/16; B01J 23/44, 23/48, 23/56, 23/58** **[56] Cited Documents:** **- US 5968860 A (HERZOG) 19 October 1999** **- US 5972824 A (HERZOG et al.) 26 October 1999** **- US 6015760 A (WANG) 18 January 2000** **- US 6017847 A (WANG) 25 January 2000** **- US 5854171 A (NICOLAU et al.) 29 December 1998** **- US 5179056 A (BARTLEY) 12 January 1993** **Examiner: Fahed Zoaid AlMutairi**

[54] HIGHLY SELECTIVE SHELL IMPREGNATED CATALYST OF IMPROVED SPACE TIME YIELD FOR PRODUCTION OF VINYL ACETATE.

[57] Abstract: A shell impregnated catalyst of Pd-Au produced on a silica support to have a Pd loading if 1.8 g/L of catalyst to about 7.2 g/L and a Au to Pd weight ratio of 0.3 to 2.0 by impregnating the support with aqueous solutions of palladium and gold salts or acids and thereafter precipitating water insoluble compounds of Pd and Au on the with alkali metal silicate or hydroxide solutions, then dried, and the surface precipitated compounds of Pd and Au are the reduced by reaction with ethylene or hydrogen at temperature of greater than 150˚C to 310˚C or with hydrogen up to 299˚C until substantially all of the Pd and Au contents are reduced to a free metal state, after which the support is impregnated with potassium acetate to an extent of 6 to 7 weight percent of the weight of the total catalyst. For production of vinyl acetate (VA) such catalyst has a space-time yield (STY) and specific activity (SA) about 20-30% greater than otherwise identical catalyst composition that is formed from impregnated support reduced at 150˚ C, and in temperature range of 140˚C to 160˚C at a gad hourly space velocity of 4500/hr will at 120 psig exhibit a VA selectivity of 90% or greater when operated under reaction conditions that result in a STY of at least 600.

No. of claims: 15

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001604 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24548** **Date of the Decision to Grant the Patent: 05/06/2011**
[21] Application No.: GCC/P/2006/6186 **[22] Filing Date: 29/04/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **RM2005A000201 29/04/2005 IT** **[72] Inventors: 1- DE AMBROGGI Renato، 2- PIANEZZOLA Enrico** **[73] Owner: BTICINO S.p.A., Via Messina,38- 20154 Milano , Italy** **[74] Agent: Ahmed najdat bazarbashe**	**[51] Int. Cl.7: H02G 3/08** **[56] Cited Documents:** **- US 2002/096983 A1 (AUBERT CAPELLA JOAQUIN) 25 July 2002** **- US 5879185 A (HANDLER et al.) 09 March 1999** **Examiner: fahad mohammed al baker**

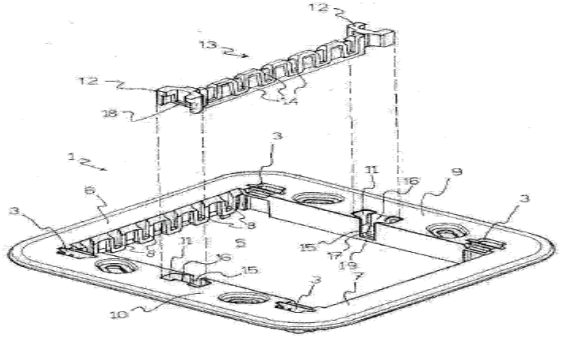
[54] SUPPORT FRAME FOR WALL MOUNTING OF AN ELECTRICAL APPARATUS

[57] Abstract: Support frame (1) for wall mounting at least one electrical apparatus (20, 21, 22, 23), the frame (1) comprising:

-a surround casing (4) for wall fixing, enclosing an opening (5) that defines a assembly housing adapted to accepting and retaining said at least one electrical apparatus (20, 21, 22 and 23), the opening (5) being defined by a facing pair of fixing panels (6 and 7) and a facing pair of connecting panels (9 and 10) with ends attached to said fixing panels (6 and 7) and the fixing panels (6 and 7) comprising attachment elements (8) for mounting said at least one electrical apparatus (20, 21,22 and 23).

The connecting‘ panels (9 and 10) include coupling components (11), adapted to engaging with respective complementary coupling components (12) substantially located on end sections cm? a divider (13) that can be removably coupled to said frame (1) to subdivide said opening.

No. of claims: 10 No. of figures: 4



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

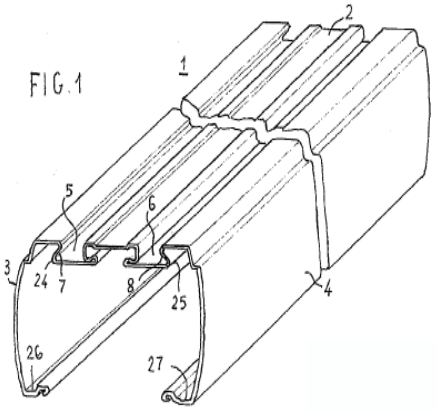
[12] Patent

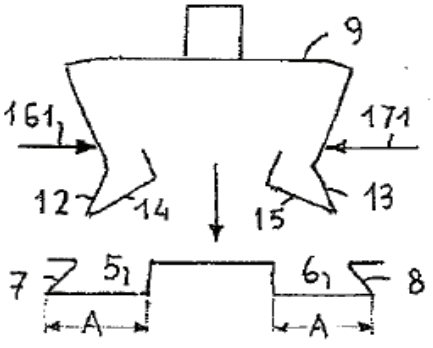
[11] Patent No.: GC 0001605 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24551** **Date of the Decision to Grant the Patent: 05/06/2011**
[21] Application No.: GCC/P/2007/9707 **[22] Filing Date: 12/12/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **MI2006A002397 14/12/2006 IT** **[72] Inventor: FABRIZI, Fabrizio** **[73] Owner: Bticino S.p.A.,Via Messina 38,20154, Milano,Italy** **[74] Agent: Ahmed najdat bazarbashe**	**[51] Int. Cl.[7]: H02G 3/04** **[56] Cited Documents:** **- DE 3426064 C1 (BETTERMANN OBO OHG) 16 January 1986** **Examiner: Ebrahim Al-Obody**

[54] SUSPENDED ELECTRICAL DUCTING AND CORRESPONDING ACCESSORIES

[57] Abstract: Suspended electrical ducting comprising a rectilinear metal enclosure (1) open at the bottom in which the top wall is shaped to form two rectilinear slots (5, 6) opening to the outside of the enclosure and having a transverse cross-section in the shape of a rectangular trapezium, in which two resilient wedge-shaped ends (12, 13, 14, 15) of a plurality of suspension stirrups (9) are irreversibly engaged, one side (14, 15) of the wedge acting as a prop within the slots.

No. of claims: 11 No. of figures: 17





Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

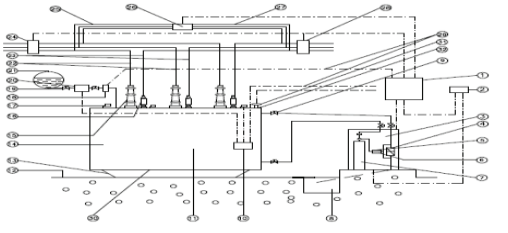
[12] Patent

[11] Patent No.: GC 0001606 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24999** **Date of the Decision to Grant the Patent: 18/06/2011**
[21] Application No.: GCC/P/2006/7229 **[22] Filing Date: 15/11/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **mum/2005/1425 16/11/2005 IN** **[72] Inventor: V.K.WAKCHAURE** **[73] Owner: CTR MANUFACTURING INDUSTRIES LTD** **[74] Agent: Kalel Ebrahim Alnami**	**[51] Int. Cl.7: H01F27/14; H01F27/40; H02P13/00; H01F27/10; H01F27/00** **[56] Cited Documents:** **- EP 0238475 A (ELIN UNION AG [AT]) 23 September 1987** **- LV 12029 B (BALTARUTA SIA [LV]) 20 May 1998** **- US 6456095 B1 (SORITA TETSUJI [JP] et al.) 24 September 2002** **- US 2005/223782 A1 (DOHI MANABU [JP] et al.) 13 October 2005** **- JP 58218106 A (HOUKI YASUMICHI) 19 December 1983** **- US 5946171 A (MAGNIER PHILIPPE [FR]) 31 August 1999** **- GB 693448 A (BRITISH ELECTRIC TRANSFORMER C) 01 July 1953** **- US 2639308 A (JEAN EGGER LEON) 19 May 1953** **Examiner: Ebrahim Al-Obody**

[54] A SYSTEM AND METHOD FOR PREVENTING, PROTECTING AND OR DETECTING EXPLOSION AND OR FIRE OF ELECTRICAL TRANSFORMER.

[57] Abstract: The present invention relates to the system and method for protection, prevention and or detection of the explosion and or resulting fire in electrical transformers in advance, i.e before decomposition of combustible coolant fluid / dielectric oil.

No. of claims: 12 No. of figures: 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

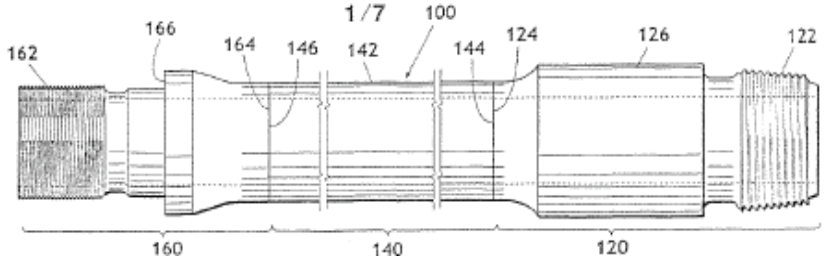
[12] Patent

[11] Patent No.: GC 0001607 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/24400 Date of the Decision to Grant the Patent: 30/05/2011
[21] Application No.: GCC/P/2003/2653 [22] Filing Date: 13/05/2003 [30] Priority: [31] Priority No. [32] Priority date [33] State 10/146.288 2002/5/15 US [72] Inventor: William James HUGHES [73] Owner: SUNSTONE CORPORATION, 101 N. Robinson, Suite 810, Oklahoma City Oklahoma, United States of America, 73102 [74] Agent: Al Nami of Riyadh, Saudi Arabia	[51] Int. Cl.[7]: E21B 17/00 [56] Cited Documents: - US 4 496 203 A (MEADOWS ALAN) 29 January 1985 - US 4 683 944 A (CURLTT HARRY B) 04 August 1987 - US 4 759 601 A (KNUTSEN GARY F et al.) 26 July 1988 - WO 92 04525 A (FRAMO DEV LTD) 19 March 1992 - GB 2 110 270 A (ARCY GEORGE PAUL D) 15 June 1983 - US 4 220 381 A (DER GRAAF GERARDUS C VAN) 02 September 1980 Examiner: Mousa'ab A. AlFadhala

[54] IMPROVED TUBING CONTAINING ELEETRICAL WIRING INSERS

[57] Abstract: An improved tubing for use in a well bore has an insert installed, preferably coaxially, within the improved tubing. The insert has projections at each end such that when two inserts are placed end to end, the projections mate. The insert has at least one groove cut into its outside and running the length of the insert for the placement of a wire (such as electrical or optical) for transmission of power or data to and from the well bore. The insert may contain as many groove and wire combinations as are necessary. The wire has a connector at each end of the insert. When the inserts are placed end to end, the insert projections line up the electrical connectors for correct mating of the electrical connectors. Preferably the insert secured by welding or some other method inside the tubing. A threaded coupler protects the exposed insert and electrical connector and secures individual pieces of improved tubing together to form an elongated tubing string having transmission capability.

No. of claims: 25 No. of figures: 16



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

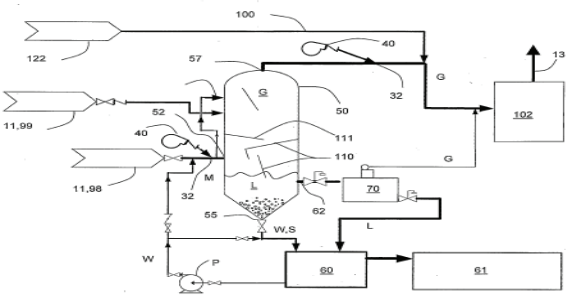
[12] Patent

[11] Patent No.: GC 0001608 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24566** **Date of the Decision to Grant the Patent: 07/06/2011**
[21] Application No.: GCC/P/2005/4738 **[22] Filing Date: 04/06/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/990,523 18/11/2004 US** **[72] Inventor: Mattew K. Swartout, 1131 Varsity Estates Rise N.W., Galgary, Alberta, T3B 2V9, Canada** **[73] Owner: Matthew K. Swartout** **[74] Agent: Kalil Ibrahim Al-nami**	**[51] Int. Cl.[7]: E21B 21/06, E21B 23/01, E21B 41/00, E21B 21/01** **[56] Cited Documents:** **- US 6059977 B1 (ROWNEY, B. et al.) 9 May 2000** **- US 631513 B1 (MORGAN, T. et al.) 13 November 2001** **- US 6533946 B2 (PULLMAN, D.) 18 March 2003** **- CA 1127626 A (THAKUR, P. et al.) 13 July 1982** **- US 5814230 B1 (WILLIS, H. et al.) 29 September 1998** **- WO 89/09091 A1 (MELLGREN, S.) 05 October 1989** **Examiner: Mohammed A. Aljaffar**

[54] SEPARATION OF EVOLVED GASES FROM DRILLING FLUIDS IN A DRILLING OPERATION

[57] Abstract: A fluid handling system for drilling cuttings utilizes a constant and gravity managed liquid level between a substantially atmospheric separator and a shale shaker to maximize fluid residence time within the separator and ensure substantially all of the gas entrained in the cuttings is evolved and passed to a flare thus preventing evolution of the gas at the shale shaker. Solids from the separator are combined with liquid recirculation from and returning to the shale shaker. Optionally, a vacuum degasser is positioned between the separator and the shale shaker and separated gases are passed from the degasser to the flare. This method and system is particularly applicable to balanced, underbalanced and air drilling operations where the flow of gas is intermittent and unpredictable.

No. of claims: 20 No. of figures: 7



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

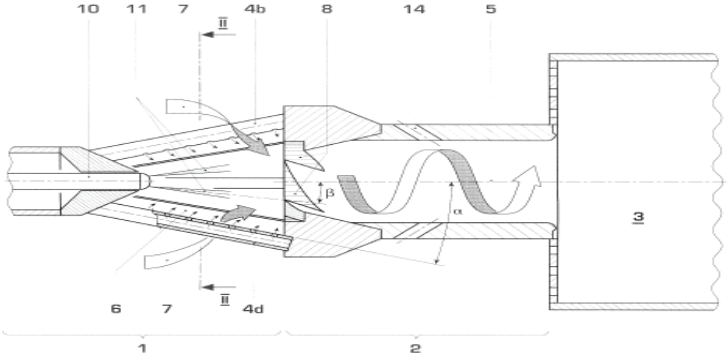
[12] **Patent**

[11] Patent No.: GC 0001609 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24490** **Date of the Decision to Grant the Patent: 05/06/2011**
[21] Application No.: GCC/P/2005/5269 **[22] Filing Date: 16/10/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **01710/04 18/10/2004 CH** **[72] Inventors: 1- Peter Flohr، 2- Gijsbertus Oomens، 3- Bettina Paikert، 4- Christian Steinbach** **[73] Owner: Alstom Technology Ltd,Brown Boveri Strasse 7, CH-5400, Baden, Switzerland** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.7: F23C 7/00 ; F23D 11/38, 11/24; F23R 3/34** **[56] Cited Documents:** **- EP 0899508 A (ABB RESEARCH LTD) 03 March 1999** **- US 6270338 B1 (HELLAT JAAN et al.) 07 August 2001** **Examiner: fahad mohammed al baker**

[54] BURNER FOR GAS TURBINE

[57] Abstract: A premix burner, for example for a gas turbine, having a conical swirl generator (1) and a cylindrical mixing section (2) which follows it in the direction of flow, includes a high-pressure atomizer nozzle (10) with one or more fuel feed passages. The high-pressure atomizer nozzle (10) includes at least two outlet passages, through which liquid fuel enters the swirl generator (1), these passages being arranged off-center with respect to the longitudinal axis of the nozzle and being configured in such a way that the spray cone (11) of the fuel is oriented at an angle (β) with respect to the longitudinal axis of the swirl generator (1) which is smaller than the cone half-angle (α) of the swirl generator (1). The outlet passages in particular have an internal geometry with a conically narrowed section.

No. of claims: 16 No. of figures: 5



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

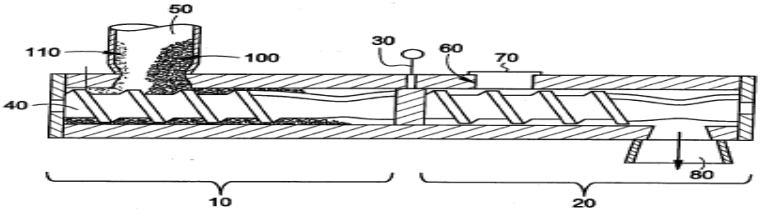
(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] **Patent**

[11] Patent No.: GC0001610 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24848** **Date of the Decision to Grant the Patent: 16/06/2011**
[21] Application No.: GCC/P/2004/3459 **[22] Filing Date: 10/05/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/469.665 12/05/2003 US** **[72] Inventors: 1- Anthony C. Neubauer، 2- Brad A. Cobler، 3- William J. Michie, Jr.** **[73] Owner: Dow Global Technologies Inc., Washington Street, 1790 Building, Midland 48674, Michigan, USA** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: C08F 2/00, 210/16; C08L 23/16; C08J 5/18** **[56] Cited Documents:** **- US 6248831 B1 (HOFFMAN III WILLIAM A et al.) 19 June 2001** **- US 6147167 A (GARRISON PHILIP J et al.) 14 November 2000** **Examiner: Yahiya Naser Al-BuSafi**

[54] POLYMER COMPOSITION AND PROCESS TO MANUFACTURE HIGH MOLECULAR WEIGHT-HIGH DENSITY POLYETHYLENE AND FILM THEREFROM

No. of claims: 11 No. of figures: 1



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

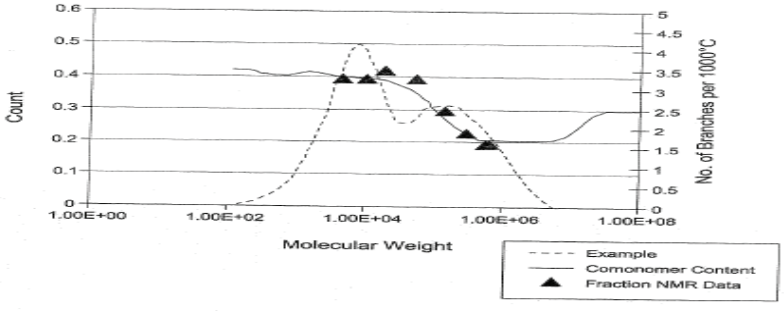
[12] Patent

[11] Patent No.: GC 0001611 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/24818 Date of the Decision to Grant the Patent: 15/06/2011
[21] Application No.: GCC/P/2006/7333 [22] Filing Date: 05/12/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 11/296.104 07/12/2005 US [72] Inventors: 1- Porter Shannon، 2- Fred D. Ehrman [73] Owner: Univation Technologies, LLC, San Felipe, Suite 1950, Houston 5555,77056,Texas,U.S.A [74] Agent: Saud M. A. Shawwaf	[51] Int. Cl.[7]: C08L 23/04; C08F210/16; C08J5/18; F16L9/12; C08L23/00; C08F210/00; C08J5/18; F16L9/00 [56] Cited Documents: - US 6878454B1 (SHANNON PORTER C [US] et al.) 12 April 2005 - WO 01/48029 A (UNION CARBIDE CHEM PLASTIC [US]) 05 July 2001 - WO 95/11264 A (MOBIL OIL CORP [US]) 27 April 1995 Examiner: Bander M. Al-Thobity

[54] HIGH DENSITY POLYETHYLENE

[57] Abstract: Multimodal polyethylenes possessing a density from 0.940 to 0.965 g/cm³, and an I_{21} from 4 to 20 dg/min, and including a low molecular weight ethylene copolymer having a weight average molecular weight from 5,000 amu to 50,000 amu; and a high molecular weight ethylene copolymer having a weight average molecular weight from 60,000 amu to 800,000 amu, both components having a balance of short chain branching making the multimodal polyethylene suitable for films, pipes, rotomolding applications, and blow molding applications.

No. of claims: 14 No. of figures: 5



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

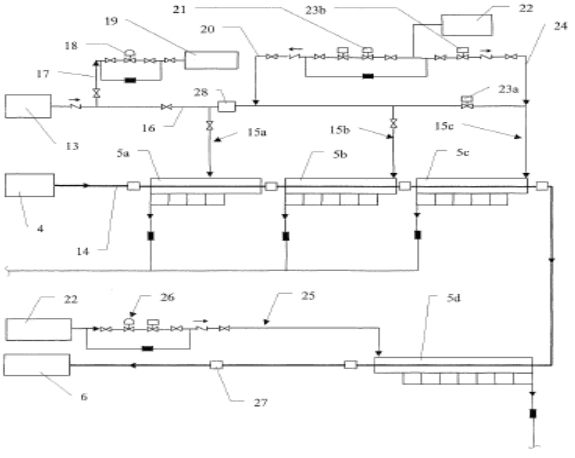
[12] Patent

[11] Patent No.: GC 0001612 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24824** **Date of the Decision to Grant the Patent: 15/06/2011**
[21] Application No.: GCC/P/2006/7167 **[22] Filing Date: 06/11/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0522706.1 07/11/2005 GB** **[72] Inventors: 1- Leo E. Reynders، 2- Tom Van Nuland** **[73] Owner: Exxonmobil Chemical Patents Inc.** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]:C0F10/02;B01J19/24** **[56] Cited Documents:** **- GB 2134121 A (*EL PASO POLYOLEFINS COMPANY) 08 August 1984** **Examiner: Ali ahmed Almlla**

[54] AN APPARATUS AND METHOD FOR THE PRODUCTION OF POLYETHYLENE AND ETHYLENE COPOLYMERS

[57] Abstract:

No. of claims: 20 No. of figures: 2



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

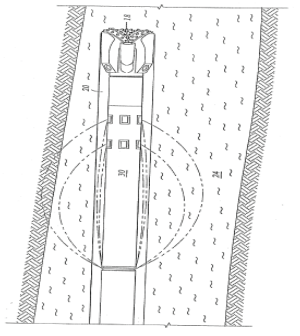
[12] Patent

[11] Patent No.: GC 0001613 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/24564 Date of the Decision to Grant the Patent: 07/06/2011
[21] Application No.: GCC/P/2007/7965 [22] Filing Date: 21/03/2007 [30] Priority: [31] Priority No. [32] Priority date [33] State 11/385,404 21/03/2006 US [72] Inventors: 1- Jesse K. Hensarling، 2- Michael S. Bittar [73] Owner: HALLIBURTON ENERGY SERVICES Inc, 10200 Bellaire Boulevard, Houston, 77072 , Texas , USA [74] Agent: Ahmed najdat bazarbashe	[51] Int. Cl.[7]: E21B 7/04, E21B 44/00; G01V 3/30 [56] Cited Documents: - US 6181138 B1 (HALLIBURTON ENERGY SERVICES INC) 30 January 2001 Examiner: Mohammed A. Aljaffar

[54] METHOD AND SYSTEM OF CONTROLLING DRILLING DIRECTION USING DIRECTIONALLY SENSITIVE RESISTIVITY READINGS

[57] Abstract: A method and system of controlling drilling direction using directionally sensitive resistivity readings. At least some of the illustrative embodiments are methods comprising transmitting an interrogating electromagnetic wave from a tool in a borehole into a formation surrounding the borehole, receiving a first responsive electromagnetic wave from the formation by a first receiving antenna having a sensitivity pattern with a single primary lobe, determining proximity of a bed boundary using the first responsive electromagnetic wave, and controlling drilling direction based on the proximity of the bed boundary.

No. of claims: 24 No. of figures: 11



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

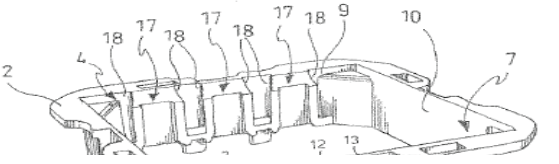
[11] Patent No.: GC 0001614 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24546** **Date of the Decision to Grant the Patent: 05/06/2011**
[21] Application No.: GCC/P/2006/6268 **[22] Filing Date: 17/05/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **MI2005A000895 17/05/2005 IT** **[72] Inventors: 1- PIANEZZOLA Enrico،2- DE AMBROGGI Renato** **[73] Owner: BTICINO S.p.A., Via Messina, 38-20154 Milano,Italy** **[74] Agent: Ahmed najdat bazarbashe**	**[51] Int. Cl.7: H02G 3/12** **[56] Cited Documents:** **- DE 19835837 A1 (BERKER GEB [DE] BERKER GMBH & CO KG [DE]) 10 February 2000** **- EP 1501165 A (LEGRAND SA [FR]; LEGRAND SNC [FR]) 26 January 2005** **Examiner: fahad mohammed al baker**

[54] AUXILIARY SUPPORT CASE FOR AT LEAST ONE PIECE OF ELECTRICAL EQUIPMENT

[57] Abstract: An auxiliary support case (1) for at least one piece of electrical equipment to be wall-mounted is described, such that a mounting seat (3) is defined, which is suitable to receive and hold said at least one piece of electrical equipment.

The support case (1) can be removably fixed to a wall-mounted case according to at least two different positions, thereby allowing respective orientations to said at least one piece of electrical equipment (400).

No. of claims: 14 No. of figures: 6



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

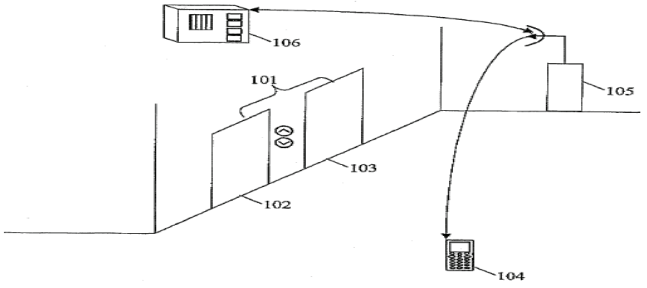
[12] Patent

[11] Patent No.: GC 0001615 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/24383 Date of the Decision to Grant the Patent: 29/05/2011
[21] Application No.: GCC/P/2006/5952 [22] Filing Date: 14/03/2006 [30] Priority: [31] Priority No. [32] Priority date [33] State 20050279 15/03/2005 FI [72] Inventors: 1- YLINEN Jari، 2- KONTTURI Risto [73] Owner: KONE Corporation, Kartanontie 1, FIN-00330 Helsinki, Finland [74] Agent: Ahmed najdat bazarbashe	[51] Int. Cl.[7]: B66B 1/18 [56] Cited Documents: - US 4989694 A (UESHIMA TAKAAKI et al.) 05 February 1991 - US 6394231 B1 (SCHUSTER KILIAN et al.) 28 May 2002 - WO 2005019084 A (OTIS EKEVATOR CO) 03 March 2005 - US 2003085079 A1(INVENTIO AG) 08 May 2003 Examiner: Mousa'ab A. AlFadhala

[54] METHOD FOR CONTROLLING A TRANSPORTATION SYSTEM

[57] Abstract: A method and a system for responding to a service request sent to a transportation service, determining one or more alternatives as a transportation device for the user and selecting a personal transportation device. An automated transportation system according to the invention comprises: an elevator group comprising a plurality of elevators, a passenger terminal device for reserving elevators for use by passengers, an elevator group control system responsive to the passenger terminal device for controlling the elevators. The method of the invention comprises the steps of: entering a personal service request via the terminal device, determining on the basis of the service request at least one alternative as a transportation device for the user, and selecting via the terminal device one of the alternatives as the transportation device.

No. of claims: 12 No. of figures: 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

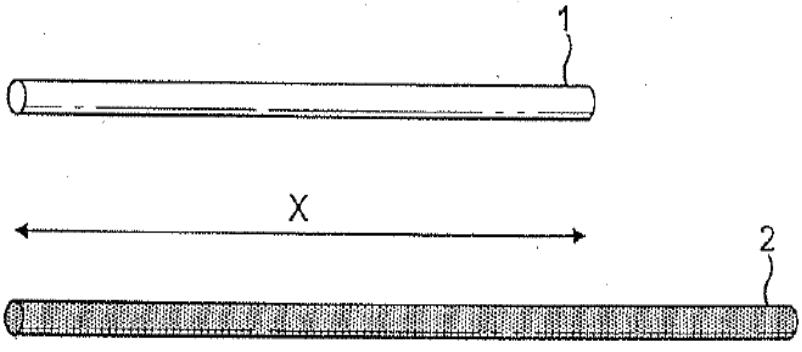
[12] Patent

[11] Patent No.: GC 0001616 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24380** **Date of the Decision to Grant the Patent: 29/05/2011**
[21] Application No.: GCC/P/2007/7942 **[22] Filing Date: 17/03/2007** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0605322.7 16/03/2006 GB** **[72] Inventor: Mark Tonkin** **[73] Owner: Design Technology &Innovation Ltd,3rd Floor Suffolk House George Street Croydon Surrey CRO OYN United Kingdom** **[74] Agent: Ahmed najdat bazarbashe**	**[51] Int. Cl.[7]: A01G 25/00** **[56] Cited Documents:** **- WO 2004/110132 A (DU PONT [US]; CAHILL KAPLAN ANN W [US]; KIRCHNER OLAF) 23 December 2004** **- WO 99/40031 A (DU PONT [US]; DESIGN TECHNOLOGY & INNOVATION [GB]) 12 August 1999** **- GB 1450899 A (TWYMAN SON AGRICULTURE, LTD G) 29 September 1976** **- US 3887138 A (GILEAD GIDEON) 03 June 1975** **Examiner: Mousa'ab A. AlFadhala**

[54] IRRIGATION DEVICE

[57] Abstract: The present invention relates to irrigation systems for irrigating a growing medium. The irrigation systems of the invention comprise a helical tubular hydrophilic membrane or a corrugated tubular hydrophilic membrane. The invention also relates to methods of irrigating a growing medium, and helical tubular hydrophilic membranes for use in an irrigation system.

No. of claims: 18 No. of figures: 2



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001617

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/24842

Date of the Decision to Grant the Patent: 16/06/2011

[21] Application No.: GCC/P/2003/2421
[22] Filing Date: 01/01/2003
[30] Priority:

[31] Priority No.	[32] Priority date	[33] State
60/345.402	07/01/2002	US
10/170.393	13/06/2002	US

[72] Inventors: 1- Teng Xu، 2- Paul N. Chisholm، 3- Shun Chong Fung، 4- James R. Lattner، 5- Stephen N. Vaughn، 6- Keith H. Kuechler، 7- Kenneth R. Clem، 8- Patrick J. Maher، 9- Dean C. Draemel
[73] Owner: ExxonMobil Chemical Patents Inc., 5200 Bayway Drive, Baytown ,Texas 77520, USA
[74] Agent: Saud M. A. Shawwaf

[0/0](A 00 A 0 /0 C10G 3/00; B01J 29/90; B01J 35/00; B01J 38/36; C10G 3/00; B01J 29/00; B01J 35/00; B01J 38/00)(A 00 A 0 /0 C10G 3/00; B01J2 9/90; B01J 35/00; B01J 38/36; C10G 3/00; B01J 29/00; B01J 35/00; B01J 38/00)

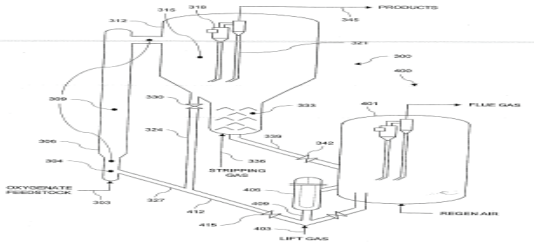
[56] Cited Documents:
- EP 0040914 A1 (MOBIL OIL CORPORATION) 02 December 1981
- US 4072600 A(A.B. SCHWARTZ) 07 February 1978
- US 4973792 A (J.M.O. LEWIS et al.) 27 November 1990
- US 6023005 A (J.R. LATTNER et al.) 08 February 2000

Examiner: Bander M. Al-Thobity

[54] REDUCING TEMPERATURE DIFFERENCES WITHIN THE REGENERATOR OF AN OXYGENATE TO OLEFIN PROCESS

[57] Abstract: **The present invention provides a process for making an olefin product from an oxygenate feedstock which comprises:**
a) contacting the feedstock in a reaction zone with a catalyst comprising i) a molecular sieve having defined pore openings and ii) a CO oxidation metal, under conditions effective to convert the feedstock into an olefin product stream comprising C_2-C_3 olefins and to form carbonaceous deposits on the catalyst so as to provide a carbon-containing catalyst;
b) contacting at least a portion of the carbon-containing catalyst with a regeneration medium comprising oxygen in a regeneration zone comprising a fluid bed regenerator having a dense fluid phase and a dilute fluid phase under conditions effective to obtain a regenerated catalyst portion, wherein the difference between the temperature of the dilute phase and the temperature of the dense phase is no greater than 100℃;
c) introducing said regenerated catalyst portion into said reaction zone; and
d) repeating steps a)-c).

No. of claims: 36 No. of figures: 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001618

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/24815

Date of the Decision to Grant the Patent: 15/06/2011

[21] Application No.: GCC/P/2003/2510

[22] Filing Date: 23/02/2003

[30] Priority:

[31] Priority No.	[32] Priority date	[33] State
60/360.963	28/02/2002	US
60/366.012	20/03/2002	US
60/374.697	22/04/2002	US
10/215.511	09/08/2002	US

[72] Inventors: 1- Doron Levin، 2- James Clarke Vertuli

[73] Owner: ExxonMobil Chemical Patents Inc., 5200 Bayway Drive, Baytown, 77520, Texas, USA

[74] Agent: Saud M. A. Shawwaf

[51] Int. Cl.[7]: B01J 29/85 ; B01J 23/83 ; B01J 35/00 ; C01G 3/00

[56] Cited Documents:

- WO 9829370 A (EXXON CHIMICAL PATENTS INC) 09 July 1998
- WO 0164340 A (EXXONMOBIL CHEM PATENTS INC) 07 September 2001
- EP 0967911 A (MITSUBISHI GAS CHEMICAL CO) 29 December 1999

Examiner: Mohammad Al-Ismael

[54] MOLECULAR SEIVE COMPOSITIONS, CATALYST THEREOF, THEIR MAKING AND USE IN CONVERSION PROCESSES

[57] Abstract: The invention relates to a catalyst composition, a method of making the same and its use in the conversion of a feedstock, preferably an oxygenated feedstock, into one or more olefin(s), preferably ethylene and/or propylene The catalyst composition comprises a molecular sieve and at least one oxide of a metal selected from Group 3 of the Periodic Table of Elements, the Lanthanide series of elements and the Actinide series of elements.

No. of claims: 18

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001619

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/24505

Date of the Decision to Grant the Patent: 05/06/2011

[21] Application No.: GCC/P/2005/4459
[22] Filing Date: 23/03/2005
[30] Priority:
[31] Priority No. [32] Priority date [33] State
10/807.977 24/03/2004 US
[72] Inventors: 1- Richard T. Waibel، 2- Wesley R. Bussman، 3- Sellamutha G. Chellappan، 4- Roberto Ruiz، 5- Charles E. Baukal, JR.، 6- I-Ping Chung
[73] Owner: John Zink Company, LLC , 11920 ، Oklahoma Tulsa East Apache 74116 ,USA
[74] Agent: Saud M. A. Shawwaf

[51] Int. Cl.[7]: F23 C 6/04
[56] Cited Documents:
- US 4496306 A (OKIGAMI et al.) 29 January 1985
- US 5573391 A (BENSON et al.) 12 November 1996
- EP 0562710 A (JOHN ZINK COMPANY, A DIVISION OF KOCH ENGINEERING COMPANY INC) 29 September 1993
- EP 1108952 A (SELAS CORPORATION OF AMERICA) 20 June 2001

Examiner: fahad mohammed al baker

[54] REMOTE STAGED FURNACE BURNER CONFIGURATIONS AND METHODS

[57] Abstract: A remote staged furnace burner configuration includes placement of secondary fuel gas nozzles remote from burners. This configuration brings about an increased mixing of secondary fuel with furnace flue gases. As a result, the temperature of the burning fuel gas is lowered and NOX formation is reduced.

No. of claims: 26 No. of figures: 10

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001620 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24575** **Date of the Decision to Grant the Patent: 07/06/2011**
[21] Application No.: GCC/P/2006/7033 **[22] Filing Date: 09/10/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/726,845 14/10/2005 US** **11/313,454 21/12/2005 US** **[72] Inventor: Friedrich ALT** **[73] Owner: Friedrich ALT, 10 Pinewood, Irvine, CA 92604, USA** **[74] Agent: Saleh Abdullah AL-oufi**	**[51] Int. Cl.7: B01D 3/06, 5/00** **[56] Cited Documents:** **- US 4318780 A (BAILIE ROBERT E) 9 March 1982** **Examiner: fahad mohammed al baker**

[54] MULTI-STAGE FLASH EVAPORATOR

[57] Abstract: The present invention provides tube bundle configurations for multi stage flash cross tube type evaporators using concepts with parallel and counter current coolant flow. These tube bundle configurations allow the evaporators to be built more compactly, and they offer the possibility of lower thermal and electrical energy consumption for a multi stage flash desalination plant by maintaining or reducing the distilled water generation cost compared to that which is achievable with cross tube evaporators utilizing single pass tube bundles in serial flow communication.

No. of claims: 10 No. of figures: 22

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001621 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/24501** **Date of the Decision to Grant the Patent: 05/06/2011**
[21] Application No.: GCC/P/2005/4473 **[22] Filing Date: 26/03/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0406998.5 27/03/2004 GB** **[72] Inventors: 1- Ian Donald McKay، 2- Ralph Edmund Harris** **[73] Owner: Cleansorb Limited, Occam Road, surrey Research Park, Guildford 40, GU2 7YG, Surrey, United Kingdom** **[74] Agent: Saud M. A. Shawwaf**	**[51] Int. Cl.[7]: C09K 8/52, E21B 33/138, E21B 37/06** **[56] Cited Documents:** **- US 4526695 A (ERBSTOESSER et al.) 02 July 1985** **Examiner: Mohammed A. Aljaffar**

[54] PROCESS FOR DISRUPTION OF FILTER CAKES

[57] Abstract: A process for producing a self-disrupting filter cake in an underground formation, which process comprises: (a) incorporating into a drilling fluid a solid polymer capable of being converted by hydrolysis into one or more organic acids; (b) using the drilling fluid to drill a wellbore into the underground formation such that the solid polymer in the drilling fluid contributes to the formation of a filter cake; and (c) allowing the solid polymer to hydrolyse in the presence of water and to disrupt the integrity of the filter cake. A drilling fluid which contains as a bridging agent one or more solid polymers capable of being converted by hydrolysis into one or more organic acids is also provided.

No. of claims: 42

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001622 **[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/23438** **Date of the Decision to Grant the Patent: 04/04/2011**
[21] Application No.: GCC/P/2005/4319 **[22] Filing Date: 19/02/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0403592.9 18/02/2004 GB** **[72] Inventors: 1- EASTHAM, Graham،2- TINDALE, Neil** **[73] Owner: Lucite International UK Limited, Queens Gate, 17-15 Queens Terrace, SO14 3،BP, Southampton, Hampshire, United Kingdom** **[74] Agent: Suleiman I. Al-Ammar**	**[51] Int. Cl.[7]: B01J 31/24; C07C 51/14** **[56] Cited Documents:** **- WO 2004/014834 A (LUCITE INT UK LTD `GB!: EASTHAM GRAHAM RONALD `GB!; JIMEMEZ CRISTINA) 19 February 2004** **Examiner: Yahiya Naser Al-BuSafi**

[54] A CATALYST SYSTEM FOR THE CARBONYLATION OF ETHYLENICALLY UNSATURATED COMPOUND

[57] Abstract: The present invention provides a catalyst system capable of catalyzing the carbonylation of an ethylenically unsaturated compound, which system is obtainable by combining:
a) a metal of Group VIB or Group VIIIB or compound thereof,
b) a bidentate phosphine, arsine or stibine ligand, and
c) an acid
wherein said ligand is present in at least a 2:1 molar excess compared to said metal or said metal in said metal compound, and that said acid is present in at least a 2:1 molar excess compared to said ligand, a process for the carbonylation of an ethylenically unsaturated compound, a reaction medium, and use of the systrm.

No. of claims: 32

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001623 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21811 Date of the Decision to Grant the Patent: 10/03/2011
[21] Application No.: GCC/P/2005/5404 [22] Filing Date: 19/11/2005 [30] Priority: [31] Priority No. [32] Priority date [33] State 04/12.207 2004/11/17 FR [72] Inventors: 1- Mlle BRUNARD Nathalie،2- SCHWEITZER Jean- Marc [73] Owners: 1- INSTITUT FRANCAIS DU ,1 er 4 avenue de Bois – preau , 952 Rueil-Malmaison, Cedex, France PETROLE، 2- ENI S.p.A, [74] Agent: Ahmed najdat bazarbashe	[51] B01J8/00; B01J8/00; C10G2/00 [56] Cited Documents: - US 5844006 A (JAGER et al.) 01 December 1998 - GB 2403728 A (* ENI S.P .A;* INSTITUT FRANCAIS DU PETROLE; * ENI TECNOLOGIE S.P.A) 12 January 2005 - GB 2403433 A (* ENI S.P.A.; * INCTITUT FRANCAIS DU PETROLE; * ENI TECNOLOGIES.P.A) 05 January 2005 Examiner: Ahmed Saleem Al- Hinai

[54] APPARATUS FOR THE PRODUCTION OF LIQUID HYDROCARBONS BY FISCHER-TROPSCH SYNTHESIS In A THREE- PHASE BED REACTOR

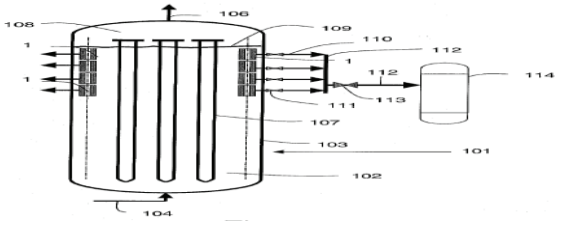
[57] Abstract: The invention relates to an apparatus for the production of liquid hydrocarbons by Fischer-Tropsch synthesis on solid catalyst particles in a three-phase bed reactor, the apparatus being provided with at least one filter cartridge mounted in a filtration zone in the interior of said reactor, the filter cartridge comprising:

- a filter intended to separate the filtrate from the solid catalyst particles,

- a cylindrical casing,

- an internal element in the form of a hollow cylinder open at its ends and mounted in substantially coaxial relationship with the longitudinal axis of the casing, - an annular chamber delimited by the casing and the walls of the internal element, said chamber being intended to collect the filtrate, and - a conduit for discharge of said filtrate, wherein the walls of the internal element of the filter cartridge are at least in part formed by the filter of the cartridge.

No. of claims: 16 No. of figures: 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001624 **[45] Date of Publishing the Grant of the Patent:** **30/09/2011 16/2011**	**Number of the Decision to Grant the Patent: 11/22709** **Date of the Decision to Grant the Patent: 26/03/2011**
[21] Application No.: GCC/P/2006/6459 **[22] Filing Date: 20/06/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/316.211 22/12/2005 US** **[72] Inventors: 1- Wugeng Liang، 2- Joseph R. Linzer، 3- Scott A. Stevenson** **[73] Owner: SAUDI BASIC INDUSTRIES CORPORATION " Sabic", B.O.Box. 5101 Riyadh 11422, Riyadh, KSA** **[74] Agent: Ahmed Najdat Bazarbashe**	**[51] Int. Cl.[7]: C07C 51/235; B01J 27/192** **[56] Cited Documents:** **- US 5198579 A (Honda et al.) 30 March 1993** **- US 6387841 B1 (Deviln et al.) 14 May 2002** **- US 6812188 B2 (Soe et al.) 02 November 2004** **Examiner: Yahiya Naser Al-BuSafi**

[54] CATALYST FOR OXIDATION OF UNSATURATED ALDEHYDES TO UNSATUATED CARBOXYLIC ACID, METHOD OF MAKING AND METHOD OF USING THEREOF

[57] Abstract: The invention is a supported or bound heteropoly acid catalyst composition, a method of making the catalyst composition and a process for the oxidation of saturated and/or unsaturated aldehydes to unsaturated carboxylic acids using the catalyst composition. The catalyst composition has an active heteropoly acid component containing molybdenum, vanadium, phosphorus and cesium and an inert heteropoly acid component containing molybdenum, phosphorus and cesium, potassium, rubidium or sodium at a relative molybdenum:cesium/potassium/rubidium/sodium molar ratio of above about12:2.

The catalyst is made by dissolving compounds of the components of each of the heteropoly acid compounds in a solution, precipitating the heteropoly acid compounds, contacting the heteropoly acid compounds to form a catalyst precursor and calcining the catalyst precursor to form a heteropoly acid compound catalyst. Unsaturated aldehydes, such as methacrolein, may be oxidized in the presence of the heteropoly acid compound catalyst to produce an unsaturated carboxylic acid, such as methacrylic acid.

No. of claims: 71

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC0001625

[45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011

Number of the Decision to Grant the Patent: 11/22711

Date of the Decision to Grant the Patent: 26/03/2011

[21] Application No.: GCC/P/2006/6499
[22] Filing Date: 27/06/2006
[30] Priority:
[31] Priority No. [32] Priority date [33] State
11/333.096 13/01/2005 US
[72] Inventors: 1- Angela McGuffey، 2- James W. Kauffman
[73] Owner: SAUDI BASIC INDUSTRIES CORPORATION " Sabic", B.O.Box. 5101 Riyadh 11422, Riyadh, KSA
[74] Agent: Ahmed Najdat Bazarbashe

[51] Int. Cl.[7]: C07C 51/16
[56] Cited Documents:
- US 2005/0159621 A1 (LIANG et al.) 21 July 2005

Examiner: Yahiya Naser Al-BuSafi

[54] PROCESS OF MAKING MIXED METAL OXIDE CATALYSTS FOR THE PRODUCTION OF UNSATURATED ALDEHYDES FROM OLEFINS

[57] Abstract: The present invention is for a process for making a catalyst for production of unsaturated aldehydes, such as methacrolein, by gas phase catalytic oxidation of olefins, such as isobutylene, said catalyst containing oxides of molybdenum, bismuth, iron, cesium, tungsten, cobalt, nickel, antimony, magnesium and zinc. The process is a synthesis of the catalyst with aging or digestion of the reaction slurry with little or no agitation. A catalyst precursor is formed from the water insoluble and water solube components and dried. The metal oxide catalyst is formed by calcinations of the catalyst precursor.

No. of claims: 34

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

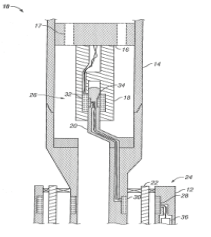
[12] Patent

[11] Patent No.: GC 0001626 [45] Date of Publishing the Grant of the Patent: 30/09/2011 16/2011	Number of the Decision to Grant the Patent: 11/21813 Date of the Decision to Grant the Patent: 10/03/2011
[21] Application No.: GCC/P/2007/8238 [22] Filing Date: 28/04/2007 [30] Priority: [31] Priority No. [32] Priority date [33] State 11/380,715 28/04/2006 US [72] Inventors: 1- EARLES Ronald G.، 2- Jeffery B. Lasater، 3- VEHRA Imran، 4- HAY Richard T.، 5- STITKA Mark A.، 6- HOLCOMBE Michael W.، 7- BESTE Randal T.، 8- HARDIN John R.، 9- SHARONOV Sergei [73] Owners: 1- HALLIBURTON ENERGY SERVICES INC 10200 ، Houston, Texas 77072, USA 2- Dalian Institute of Chemical Physics, Chinese Academy of Sciences, 457 Zhongshan Road, 116023 China [74] Agent: Ahmed najdat bazarbashe	[51] Int. Cl.[7]: E21B 47/12; B23B 19/02; B23B 31/36; B23Q 3/14; E21B 7/04; G08C 17/04 [56] Cited Documents: - US 6847304 B1 (RSI(BVI), INC) 25 January 2005 - US 2006/0073722 A1 (VICTOR ALLAN) 06 April 2006 Examiner: Mohammed A. Aljaffar

[54] INDUCTIVE COUPLING SYSTEM

[57] Abstract: An inductive coupling system including a mandrel and an inner sleeve and outer housing that surround and rotate relative to the mandrel. The system also includes a mandrel electronics system and a housing electronics system that communicate electronically using a mandrel inductive coupler and a housing inductive coupler. The mandrel electronics system may also communicate with equipment on the surface. Alternatively, the system may include a mandrel and first and second mandrel electronics systems in different mandrel sections. The first and second mandrel electronics systems communicate electronically using a mandrel inductive coupler. Also alternatively, the system may include a mandrel and an inner sleeve and outer housing that surround and rotate relative to the mandrel. The system also includes a mandrel electronics system and a housing electronics system that communicate electronically using a housing inductive coupler.

No. of claims: 32 No. of figures: 9



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

Lapsed Patent Applications

List of Lapsed Patent Applications

From 01/01/2011 To 30/06/2011

Sr	Application No	Filing Date	Decision No	Decision Date
1	1391	23/05/2001	19928/11	01/01/2011
2	1541	30/07/2001	25048/11	19/06/2011
3	1685	17/10/2001	19927/11	01/01/2011
4	1899	06/03/2002	21657/11	09/03/2011
5	2173	14/08/2002	25037/11	19/06/2011
6	2298	02/11/2002	25146/11	21/06/2011
7	2983	21/10/2003	25188/11	21/06/2011
8	3062	02/12/2003	20196/11	23/01/2011
9	3090	14/12/2003	25047/11	19/06/2011
10	3505	29/05/2004	19941/11	02/01/2011
11	3569	20/06/2004	23480/11	04/04/2011
12	3702	04/08/2004	24843/11	16/06/2011
13	3941	272004/10/	23507/11	09/04/2011
14	3987	032004/11/	23491/11	092011/04/
15	4315	19/02/2005	23730/11	022011/05/
16	4317	19/02/2005	23731/11	02/05/2011
17	4325	212005/02/	23732/11	02/05/2011
18	4327	23/02/2005	23806/11	02/05/2011
19	4328	23/02/2005	23805/11	022011/05/
20	4333	23/02/2005	23799/11	02/05/2011
21	4335	26/02/2005	23804/11	022011/05/
22	4356	01/03/2005	23798/11	02/05/2011
23	4360	01/03/2005	23803/11	02/05/2011
24	4730	01/06/2005	24647/11	14/06/2011
25	5365	12/11/2005	23752/11	02/05/2011
26	5505	13/12/2005	23777 /11	02/05/2011
27	5523	14/12/2005	19942/11	022011/01/
28	6319	27/05/2006	23672/11	232011/04/
29	6336	29/05/2006	23919/11	17/05/2011
30	6337	29/05/2006	23920/11	17/05/2011
31	6364	04/06/2006	24001/11	17/05/2011
32	6402	10/06/2006	23923/11	17/05/2011
33	6414	13/06/2006	23927/11	17/05/2011

Sr	Application No	Filing Date	Decision No	Decision Date
34	6417	13/03/2002	23525/11	09/04/2011
35	6535	05/07/2006	23980/11	17/05/2011
36	6680	29/07/2006	23930/11	17/05/2011
37	6693	31/07/2006	23915/11	17/05/2011
38	6866	06/09/2006	24946/11	16/06/2011
39	6873	09/09/2006	23934/11	17/05/2011
40	6889	12/09/2006	23981/11	17/05/2011
41	6952	20/09/2006	20806/11	05/02/2011
42	7006	03/10/2006	23983/11	17/05/2011
43	7109	28/10/2006	24947/11	16/06/2011
44	7120	28/10/2006	24948/11	16/06/2011
45	7136	31/10/2006	25038/11	19/06/2011
46	7197	12/11/2006	20943/11	05/02/2011
47	7212	15/11/2006	24949/11	16/06/2011
48	7224	15/11/2006	23535/11	09/04/2011
49	7231	18/11/2006	23982/11	17/05/2011
50	7278	27/11/2006	23954/11	17/05/2011
51	7429	17/12/2006	24950/11	16/06/2011
52	7484	20/12/2006	24953/11	16/06/2011
53	7485	20/12/2006	24954/11	16/06/2011
54	7486	20/12/2006	24952/11	16/06/2011
55	7487	20/12/2006	24951/11	16/06/2011
56	7489	20/12/2006	24938/11	16/06/2011
57	7514	23/12/2006	24939/11	16/06/2011
58	7520	23/12/2006	24940/11	16/06/2011
59	7533	24/12/2006	23498/11	09/04/2011
60	7549	06/01/2007	20290/11	24/01/2011
61	7577	08/01/2007	20341/11	25/01/2011
62	7591	13/01/2007	20291/11	24/01/2011
63	7629	17/01/2007	20133/11	22/01/2011
64	7667	24/01/2007	20132/11	22/01/2011
65	7679	28/01/2007	23747/11	02/05/2011
66	7704	31/01/2007	20131/11	22/01/2011

Sr	Application No	Filing Date	Decision No	Decision Date
67	7754	10/02/2007	20346/11	25/01/2011
68	7756	10/02/2007	20345/11	25/01/2011
69	7836	24/02/2007	23792/11	02/05/2011
70	7843	25/02/2007	23774/11	02/05/2011
71	7851	27/02/2007	23740/11	02/05/2011
72	7903	10/03/2007	20344/11	25/01/2011
73	7915	10/03/2007	23741/11	02/05/2011
74	7924	14/03/2007	20130/11	22/01/2011
75	7926	14/03/2007	23742/11	02/05/2011
76	7935	14/03/2007	23793/11	02/05/2011
77	7957	20/03/2007	23743/11	02/05/2011
78	8005	26/03/2007	23744/11	02/05/2011
79	8237	28/04/2007	20285/11	24/01/2011
80	8270	05/05/2007	25039/11	19/06/2011
81	8271	05/05/2007	25040/11	19/06/2011
82	8280	05/05/2007	23499/11	09/04/2011
83	8303	12/05/2007	25041/11	19/06/2011
84	8333	16/05/2007	23534/11	09/04/2011
85	8344	16/05/2007	23508/11	09/04/2011
86	8362	21/05/2007	23526/11	09/04/2011
87	8363	21/05/2007	23524/11	09/04/2011
88	8370	22/05/2007	23490/11	09/04/2011
89	8371	23/05/2007	24941/11	16/06/2011
90	8374	23/05/2007	24942/11	16/06/2011
91	8399	28/05/2007	24943/11	16/06/2011
92	8421	30/05/2007	25035/11	18/06/2011
93	8436	02/06/2007	23802/11	02/05/2011
94	8443	05/06/2007	23509/11	09/04/2011
95	8462	06/06/2007	23495/11	09/04/2011
96	8473	10/06/2007	25042/11	19/06/2011
97	8474	10/06/2007	25043/11	19/06/2011
98	8510	13/06/2007	23510/11	09/04/2011
99	8521	16/06/2007	23536/11	09/04/2011
100	8535	19/06/2007	24944/11	16/06/2011

Sr	Application No	Filing Date	Decision No	Decision Date
101	8541	20/06/2007	25044/11	19/06/2011
102	8553	20/06/2007	24945/11	16/06/2011
103	8566	23/06/2007	24959/11	16/06/2011
104	8580	25/06/2007	25045/11	19/06/2011
105	8591	26/06/2007	23513/11	09/04/2011
106	8592	26/06/2007	23512/11	09/04/2011
107	8593	26/06/2007	23511/11	09/04/2011
108	8660	07/07/2007	20129/11	22/01/2011
109	8661	07/07/2007	20128/11	22/01/2011
110	8670	07/07/2007	21225/11	12/02/2011
111	8691	11/07/2007	20292/11	24/01/2011
112	8703	15/07/2007	21829/11	11/03/2011
113	8733	18/07/2007	20127/11	22/01/2011
114	8778	25/07/2007	20126/11	22/01/2011
115	8808	31/07/2007	20125/11	22/01/2011
116	8809	31/07/2007	20124/11	22/01/2011
117	8858	07/08/2007	20123/11	22/01/2011
118	8877	12/08/2007	20343/11	25/01/2011
119	8878	12/08/2007	20342/11	25/01/2011
120	9183	30/09/2007	23537/11	09/04/2011
121	9186	01/10/2007	23500/11	09/04/2011
122	9195	02/10/2007	23540/11	09/04/2011
123	9196	02/10/2007	23539/11	09/04/2011
124	9197	02/10/2007	23776/11	02/05/2011
125	9199	022007/10/	23538/11	09/04/2011
126	9222	032007/10/	23515/11	09/04/2011
127	9223	03/10/2007	23514/11	09/04/2011
128	9228	03/10/2007	23504/11	09/04/2011
129	9243	20/10/2007	23503/11	09/04/2011
130	9245	20/10/2007	23502/11	09/04/2011
131	9251	20/10/2007	23501/11	09/04/2011
132	9255	20/10/2007	23518/11	09/04/2011
133	9278	20/10/2007	23938/11	17/05/2011
134	9290	20/10/2007	23516/11	09/04/2011

Sr	Application No	Filing Date	Decision No	Decision Date
135	9292	20/10/2007	23519/11	09/04/2011
136	9301	20/10/2007	23794/11	02/05/2011
137	9303	20/10/2007	23974/11	17/05/2011
138	9306	20/10/2007	23541/11	09/04/2011
139	9312	20/10/2007	23542/11	09/04/2011
140	9315	20/10/2007	23496/11	09/04/2011
141	9318	22/10/2007	23505/11	09/04/2011
142	9322	22/10/2007	23523/11	09/04/2011
143	9323	22/10/2007	23522/11	09/04/2011
144	9326	22/10/2007	23745/11	02/05/2011
145	9334	23/10/2007	23521/11	09/04/2011
146	9346	27/10/2007	23520/11	09/04/2011
147	9356	27/10/2007	23506/11	09/04/2011
148	9374	30/10/2007	23781/11	02/05/2011
149	9375	30/10/2007	23775/11	02/05/2011
150	9376	30/10/2007	23778/11	02/05/2011
151	9397	03/11/2007	23746/11	02/05/2011
152	9411	05/11/2007	23751/11	02/05/2011
153	9428	07/11/2007	23984/11	17/05/2011
154	9429	07/11/2007	23748/11	02/05/2011
155	9437	10/11/2007	23931/11	17/05/2011
156	9449	10/11/2007	23749/11	02/05/2011
157	9450	10/11/2007	23750/11	02/05/2011
158	9500	19/11/2007	24812/11	15/06/2011
159	9752	29/12/2007	24807/11	15/06/2011
160	9830	29/12/2007	20546/11	25/01/2011
161	9850	29/12/2007	20540/11	25/01/2011
162	9852	29/12/2007	20541/11	25/01/2011
163	9870	29/12/2007	20542/11	25/01/2011
164	9880	02/01/2008	22966/11	30/03/2011
165	9921	09/01/2008	22981/11	30/03/2011
166	9936	12/01/2008	23140/11	30/03/2011
167	9937	12/01/2008	23139/11	30/03/2011
168	9945	14/01/2008	24030/11	17/05/2011

Sr	Application No	Filing Date	Decision No	Decision Date
169	9969	16/01/2008	24082/11	19/05/2011
170	9974	16/01/2008	22980/11	30/03/2011
171	9993	20/01/2008	23138/11	30/03/2011
172	9995	21/01/2008	23137/11	30/03/2011
173	9996	21/01/2008	23136/11	30/03/2011
174	9997	21/01/2008	23135/11	30/03/2011
175	10006	23/01/2008	23134/11	30/03/2011
176	10007	23/01/2008	23133/11	30/03/2011
177	10009	23/01/2008	23132/11	30/03/2011
178	10013	23/01/2008	23131/11	30/03/2011
179	10014	23/01/2008	23130/11	30/03/2011
180	10019	26/01/2008	23129/11	30/03/2011
181	10023	26/01/2008	22971/11	30/03/2011
182	10032	27/01/2008	24327/11	19/05/2011
183	10033	27/01/2008	24330/11	19/05/2011
184	10034	27/01/2008	24328/11	19/05/2011
185	10041	29/01/2008	23128/11	30/03/2011
186	10043	29/01/2008	23127/11	30/03/2011
187	10046	29/01/2008	23126/11	30/03/2011
188	10050	30/01/2008	22979/11	30/03/2011
189	10052	30/01/2008	22978/11	30/03/2011
190	10054	30/01/2008	22977/11	30/03/2011
191	10058	30/01/2008	23125/11	30/03/2011
192	10059	30/01/2008	23124/11	30/03/2011
193	10063	30/01/2008	23123/11	30/03/2011
194	10064	30/01/2008	23122/11	30/03/2011
195	10065	30/01/2008	23121/11	30/03/2011
196	10069	30/01/2008	24976/11	17/06/2011
197	10070	30/01/2008	23120/11	30/03/2011
198	10079	02/02/2008	22965/11	30/03/2011
199	10083	02/02/2008	23119/11	30/03/2011
200	10085	02/02/2008	22976/11	30/03/2011
201	10088	04/02/2008	22975/11	30/03/2011
202	10092	04/02/2008	23118/11	30/03/2011

Sr	Application No	Filing Date	Decision No	Decision Date
203	10097	05/02/2008	22974/11	30/03/2011
204	10098	05/02/2008	22973/11	30/03/2011
205	10106	06/02/2008	23117/11	30/03/2011
206	10110	06/02/2008	23116/11	30/03/2011
207	10112	06/02/2008	22964/11	30/03/2011
208	10118	06/02/2008	22972/11	30/03/2011
209	10126	09/02/2008	23115/11	30/03/2011
210	10131	10/02/2008	22963/11	30/03/2011
211	10133	10/02/2008	23935/11	17/05/2011
212	10141	12/02/2008	23956/11	17/05/2011
213	10143	12/02/2008	23114/11	30/03/2011
214	10150	13/02/2008	22985/11	30/03/2011
215	10153	13/02/2008	22983/11	30/03/2011
216	10154	13/02/2008	23113/11	30/03/2011
217	10164	16/02/2008	22961/11	30/03/2011
218	10167	16/02/2008	22982/11	30/03/2011
219	10168	16/02/2008	23040/11	30/03/2011
220	10172	16/02/2008	23112/11	30/03/2011
221	10174	16/02/2008	23111/11	30/03/2011
222	10180	17/02/2008	23048/11	30/03/2011
223	10190	19/02/2008	23039/11	30/03/2011
224	10193	20/02/2008	20677/11	30/01/2011
225	10198	23/02/2008	23038/11	30/03/2011
226	10201	23/02/2008	25071/11	20/06/2011
227	10204	23/02/2008	23110/11	30/03/2011
228	10207	25/02/2008	23037/11	30/03/2011
229	10208	26/02/2008	23992/11	17/05/2011
230	10216	27/02/2008	23109/11	30/03/2011
231	10224	27/02/2008	23108/11	30/03/2011
232	10225	27/02/2008	23107/11	30/03/2011
233	10230	27/02/2008	23034/11	30/03/2011
234	10239	01/03/2008	23033/11	30/03/2011
235	10254	02/03/2008	23032/11	30/03/2011
236	10278	05/03/2008	23106/11	30/03/2011
237	10282	05/03/2008	22959/11	30/03/2011

Sr	Application No	Filing Date	Decision No	Decision Date
238	10285	05/03/2008	23031/11	30/03/2011
239	10293	05/03/2008	23105/11	30/03/2011
240	10298	08/03/2008	22969/11	30/03/2011
241	10301	08/03/2008	23030/11	30/03/2011
242	10316	03/04/2008	23029/11	30/03/2011
243	10323	03/04/2008	23104/11	30/03/2011
244	10325	11/03/2008	23028/11	30/03/2011
245	10326	12/03/2008	23103/11	30/03/2011
246	10328	03/04/2008	23027/11	30/03/2011
247	10331	12/03/2008	23026/11	30/03/2011
248	10356	03/04/2008	23102/11	30/03/2011
249	10357	12/03/2008	23101/11	30/03/2011
250	10361	12/03/2008	23061/11	30/03/2011
251	10362	15/03/2008	23047/11	30/03/2011
252	10374	18/03/2008	22940/11	30/03/2011
253	10383	19/03/2008	22968/11	30/03/2011
254	10388	03/04/2008	23025/11	30/03/2011
255	10390	19/03/2008	23024/11	30/03/2011
256	10403	22/03/2008	23023/11	30/03/2011
257	10404	22/03/2008	23022/11	30/03/2011
258	10405	22/03/2008	23021/11	30/03/2011
259	10406	22/03/2008	23020/11	30/03/2011
260	10409	22/03/2008	23100/11	30/03/2011
261	10410	22/03/2008	23099/11	30/03/2011
262	10425	22/03/2008	23098/11	30/03/2011
263	10427	23/03/2008	25179/11	21/06/2011
264	10431	23/03/2008	23019/11	30/03/2011
265	10432	23/03/2008	23018/11	30/03/2011
266	10443	26/03/2008	23017/11	30/03/2011
267	10444	26/03/2008	23016/11	30/03/2011
268	10445	26/03/2008	23015/11	30/03/2011
269	10455	26/03/2008	23058/11	30/03/2011
270	10471	29/03/2008	22933/11	30/03/2011
271	10477	29/03/2008	23097/11	30/03/2011
272	10482	03/04/2008	23096/11	30/03/2011

Sr	Application No	Filing Date	Decision No	Decision Date
273	10487	03/04/2008	23014/11	30/03/2011
274	10489	29/03/2008	23013/11	30/03/2011
275	10495	03/04/2008	22991/11	30/03/2011
276	10496	30/03/2008	22990/11	30/03/2011
277	10499	03/04/2008	23094/11	30/03/2011
278	10501	31/03/2008	23095/11	30/03/2011
279	10509	01/04/2008	22987/11	30/03/2011
280	10512	02/04/2008	23092/11	30/03/2011
281	10513	02/04/2008	23093/11	30/03/2011
282	10521	02/04/2008	22986/11	30/03/2011
283	10528	05/04/2008	23091/11	30/03/2011
284	10530	05/04/2008	22962/11	30/03/2011
285	10535	06/04/2008	22984/11	30/03/2011
286	10536	06/04/2008	22988/11	30/03/2011
287	10537	06/04/2008	22989/11	30/03/2011
288	10540	08/04/2008	23090/11	30/03/2011
289	10541	08/04/2008	23089/11	30/03/2011
290	10546	08/04/2008	23043/11	30/03/2011
291	10547	08/04/2008	23041/11	30/03/2011
292	10548	08/04/2008	23042/11	30/03/2011
293	10550	09/04/2008	22960/11	30/03/2011
294	10551	09/04/2008	22943/11	30/03/2011
295	10552	09/04/2008	22944/11	30/03/2011
296	10553	09/04/2008	22945/11	30/03/2011
297	10554	09/04/2008	22946/11	30/03/2011
298	10555	09/04/2008	22947/11	30/03/2011
299	10556	09/04/2008	22948/11	30/03/2011
300	10558	09/04/2008	23059/11	30/03/2011
301	10562	09/04/2008	23087/11	30/03/2011
302	10569	09/04/2008	23036/11	30/03/2011
303	10574	12/04/2008	22949/11	30/03/2011
304	10585	13/04/2008	22950/11	30/03/2011
305	10590	13/04/2008	23035/11	30/03/2011
306	10592	14/04/2008	22951/11	30/03/2011
307	10601	15/04/2008	24977/11	17/06/2011

Sr	Application No	Filing Date	Decision No	Decision Date
308	10608	16/04/2008	23012/11	30/03/2011
309	10615	19/04/2008	22970/11	30/03/2011
310	10628	19/04/2008	20689/11	30/01/2011
311	10640	21/04/2008	23045/11	30/03/2011
312	10642	21/04/2008	23044/11	30/03/2011
313	10643	21/04/2008	22952/11	30/03/2011
314	10644	23/04/2008	24658/11	14/06/2011
315	10646	23/04/2008	23086/11	30/03/2011
316	10647	23/04/2008	23085/11	30/03/2011
317	10650	23/04/2008	23011/11	30/03/2011
318	10651	23/04/2008	23010/11	30/03/2011
319	10654	23/04/2008	24066/11	19/05/2011
320	10656	23/04/2008	25073/11	20/06/2011
321	10657	23/04/2008	25072/11	20/06/2011
322	10659	23/04/2008	23084/11	30/03/2011
323	10661	23/04/2008	23009/11	30/03/2011
324	10662	23/04/2008	23008/11	30/03/2011
325	10664	23/04/2008	23007/11	30/03/2011
326	10665	23/04/2008	23006/11	30/03/2011
327	10666	26/04/2008	23005/11	30/03/2011
328	10670	26/04/2008	23083/11	30/03/2011
329	10680	26/04/2008	23088/11	30/03/2011
330	10689	27/04/2008	23082/11	30/03/2011
331	10707	30/04/2008	22953/11	30/03/2011
332	10721	30/04/2008	20691/11	30/01/2011
333	10725	03/05/2008	24664/11	14/06/2011
334	10743	04/05/2008	23004/11	30/03/2011
335	10749	06/05/2008	23081/11	30/03/2011
336	10754	07/05/2008	22954/11	30/03/2011
337	10755	07/05/2008	22955/11	30/03/2011
338	10756	07/05/2008	22956/11	30/03/2011
339	10757	07/05/2008	22957/11	30/03/2011
340	10758	07/05/2008	22958/11	30/03/2011
341	10761	07/05/2008	23003/11	30/03/2011
342	10768	07/05/2008	23080/11	30/03/2011

Sr	Application No	Filing Date	Decision No	Decision Date
343	10769	07/05/2008	23078/11	30/03/2011
344	10772	07/05/2008	23079/11	30/03/2011
345	10774	10/05/2008	22941/11	30/03/2011
346	10775	10/05/2008	24978/11	17/06/2011
347	10806	13/05/2008	22942/11	30/03/2011
348	10812	14/05/2008	23046/11	30/03/2011
349	10814	14/05/2008	23002/11	30/03/2011
350	10821	14/05/2008	23001/11	30/03/2011
351	10822	17/05/2008	23053/11	30/03/2011
352	10823	17/05/2008	23052/11	30/03/2011
353	10824	17/05/2008	23051/11	30/03/2011
354	10825	17/05/2008	23050/11	30/03/2011
355	10826	17/05/2008	23049/11	30/03/2011
356	10827	17/05/2008	23055/11	30/03/2011
357	10828	17/05/2008	23054/11	30/03/2011
358	10829	17/05/2008	23056/11	30/03/2011
359	10839	17/05/2008	23076/11	30/03/2011
360	10841	17/05/2008	23077/11	30/03/2011
361	10856	20/05/2008	23000/11	30/03/2011
362	10862	20/05/2008	23072/11	30/03/2011
363	10868	21/05/2008	23073/11	30/03/2011
364	10870	21/05/2008	23074/11	30/03/2011
365	10878	21/05/2008	23075/11	30/03/2011
366	10882	24/05/2008	22939/11	30/03/2011
367	10883	24/05/2008	22937/11	30/03/2011
368	10884	24/05/2008	22938/11	30/03/2011
369	10886	24/05/2008	23071/11	30/03/2011
370	10887	24/05/2008	24080/11	19/05/2011
371	10890	24/05/2008	22999/11	30/03/2011
372	10891	24/05/2008	22998/11	30/03/2011
373	10893	25/05/2008	22967/11	30/03/2011
374	10897	25/05/2008	23070/11	30/03/2011
375	10904	28/05/2008	22936/11	30/03/2011
376	10905	28/05/2008	23068/11	30/03/2011
377	10909	28/05/2008	23069/11	30/03/2011

Sr	Application No	Filing Date	Decision No	Decision Date
378	10917	31/05/2008	22997/11	30/03/2011
379	10918	31/05/2008	22995/11	30/03/2011
380	10920	31/05/2008	22996/11	30/03/2011
381	10922	31/05/2008	24361/11	28/05/2011
382	10923	31/05/2008	23066/11	30/03/2011
383	10929	01/06/2008	24863/11	16/06/2011
384	10930	01/06/2008	24864/11	16/06/2011
385	10932	01/06/2008	24865/11	16/06/2011
386	10934	01/06/2008	23067/11	30/03/2011
387	10935	01/06/2008	22935/11	30/03/2011
388	10937	01/06/2008	23065/11	30/03/2011
389	10939	01/06/2008	23057/11	30/03/2011
390	10946	03/06/2008	24648/11	14/06/2011
391	10950	04/06/2008	23060/11	30/03/2011
392	10954	04/06/2008	22934/11	30/03/2011
393	10958	04/06/2008	22994/11	30/03/2011
394	10959	04/06/2008	22993/11	30/03/2011
395	10963	04/06/2008	23064/11	30/03/2011
396	10981	07/06/2008	22992/11	30/03/2011
397	10984	07/06/2008	24649/11	14/06/2011
398	10996	08/06/2008	23063/11	30/03/2011
399	10997	08/06/2008	23062/11	30/03/2011
400	11007	10/06/2008	23217/11	02/04/2011
401	11008	10/06/2008	23216/11	02/04/2011
402	11011	11/06/2008	23142/11	02/04/2011
403	11019	11/06/2008	24650/11	14/06/2011
404	11026	11/06/2008	23203/11	02/04/2011
405	11030	14/06/2008	23204/11	02/04/2011
406	11034	14/06/2008	24866/11	16/06/2011
407	11035	14/06/2008	23201/11	02/04/2011
408	11037	14/06/2008	23202/11	02/04/2011
409	11043	14/06/2008	23251/11	02/04/2011
410	11044	14/06/2008	23252/11	02/04/2011
411	11045	14/06/2008	23253/11	02/04/2011
412	11062	15/06/2008	23205/11	02/04/2011

Sr	Application No	Filing Date	Decision No	Decision Date
413	11063	15/06/2008	23220/11	02/04/2011
414	11068	15/06/2008	23254/11	02/04/2011
415	11069	15/06/2008	23175/11	02/04/2011
416	11075	16/06/2008	24975/11	17/06/2011
417	11080	17/06/2008	23218/11	02/04/2011
418	11082	18/06/2008	23208/11	02/04/2011
419	11083	18/06/2008	24869/11	16/06/2011
420	11115	21/06/2008	23200/11	02/04/2011
421	11133	25/06/2008	24652/11	14/06/2011
422	11144	25/06/2008	24653/11	14/06/2011
423	11145	25/06/2008	24654/11	14/06/2011
424	11146	25/06/2008	24655/11	14/06/2011
425	11155	25/06/2008	20259/11	23/01/2011
426	11158	25/06/2008	23245/11	02/04/2011
427	11163	25/06/2008	24656/11	14/06/2011
428	11164	25/06/2008	24657/11	14/06/2011
429	11166	25/06/2008	24666/11	14/06/2011
430	11173	25/06/2008	23246/11	02/04/2011
431	11178	28/06/2008	23247/11	02/04/2011
432	11182	28/06/2008	24974/11	17/06/2011
433	11193	28/06/2008	23199/11	02/04/2011
434	11194	28/06/2008	23198/11	02/04/2011
435	11207	01/07/2008	23170/11	02/04/2011
436	11212	01/07/2008	23248/11	02/04/2011
437	11233	05/07/2008	23249/11	02/04/2011
438	11237	05/07/2008	23250/11	02/04/2011
439	11246	06/07/2008	23169/11	02/04/2011
440	11247	06/07/2008	23197/11	02/04/2011
441	11258	09/07/2008	23168/11	02/04/2011
442	11275	09/07/2008	25086/11	20/06/2011
443	11281	12/07/2008	23167/11	02/04/2011
444	11282	12/07/2008	23166/11	02/04/2011
445	11291	14/07/2008	23196/11	02/04/2011
446	11292	14/07/2008	23195/11	02/04/2011
447	11293	14/07/2008	23194/11	02/04/2011

Sr	Application No	Filing Date	Decision No	Decision Date
448	11327	19/07/2008	23244/11	02/04/2011
449	11330	19/07/2008	23236/11	02/04/2011
450	11332	19/07/2008	23237/11	02/04/2011
451	11355	21/07/2008	23207/11	02/04/2011
452	11356	21/07/2008	23206/11	02/04/2011
453	11360	21/07/2008	23193/11	02/04/2011
454	11361	22/07/2008	23219/11	02/04/2011
455	11363	23/07/2008	23174/11	02/04/2011
456	11369	23/07/2008	23238/11	02/04/2011
457	11391	28/07/2008	23239/11	02/04/2011
458	11399	30/07/2008	23173/11	02/04/2011
459	11401	30/07/2008	23192/11	02/04/2011
460	11403	30/07/2008	23191/11	02/04/2011
461	11405	30/07/2008	23190/11	02/04/2011
462	11412	30/07/2008	23240/11	02/04/2011
463	11422	02/08/2008	23189/11	02/04/2011
464	11434	02/08/2008	23241/11	02/04/2011
465	11442	03/08/2008	23188/11	02/04/2011
466	11443	03/08/2008	23187/11	02/04/2011
467	11457	06/08/2008	23165/11	02/04/2011
468	11488	12/08/2008	23214/11	02/04/2011
469	11489	12/08/2008	23213/11	02/04/2011
470	11494	12/08/2008	23242/11	02/04/2011
471	11498	13/08/2008	23243/11	02/04/2011
472	11501	13/08/2008	23729/11	02/05/2011
473	11502	13/08/2008	23727/11	02/05/2011
474	11516	16/08/2008	23164/11	02/04/2011
475	11517	16/08/2008	23163/11	02/04/2011
476	11518	16/08/2008	23162/11	02/04/2011
477	11519	16/08/2008	23161/11	02/04/2011
478	11523	16/08/2008	23212/11	02/04/2011
479	11525	16/08/2008	23211/11	02/04/2011
480	11526	16/08/2008	23172/11	02/04/2011
481	11536	16/08/2008	23235/11	02/04/2011
482	11538	16/08/2008	23728/11	02/05/2011

Sr	Application No	Filing Date	Decision No	Decision Date
483	11543	17/08/2008	23186/11	02/04/2011
484	11558	20/08/2008	23155/11	02/04/2011
485	11559	20/08/2008	23156/11	02/04/2011
486	11563	20/08/2008	23157/11	02/04/2011
487	11564	20/08/2008	23158/11	02/04/2011
488	11565	20/08/2008	23159/11	02/04/2011
489	11577	23/08/2008	23234/11	02/04/2011
490	11579	24/08/2008	23160/11	02/04/2011
491	11581	24/08/2008	23185/11	02/04/2011
492	11587	26/08/2008	23233/11	02/04/2011
493	11595	27/08/2008	23154/11	02/04/2011
494	11599	27/08/2008	23153/11	02/04/2011
495	11620	27/08/2008	23184/11	02/04/2011
496	11621	27/08/2008	23183/11	02/04/2011
497	11630	30/08/2008	23152/11	02/04/2011
498	11636	31/08/2008	23232/11	02/04/2011
499	11656	06/09/2008	23227/11	02/04/2011
500	11662	06/09/2008	23228/11	02/04/2011
501	11665	06/09/2008	23229/11	02/04/2011
502	11682	10/09/2008	23210/11	02/04/2011
503	11688	10/09/2008	23230/11	02/04/2011
504	11697	10/09/2008	23231/11	02/04/2011
505	11699	10/09/2008	23181/11	02/04/2011
506	11714	14/09/2008	23209/11	02/04/2011
507	11719	14/09/2008	25085/11	20/06/2011
508	11723	16/09/2008	23182/11	02/04/2011
509	11742	17/09/2008	23224/11	02/04/2011
510	11755	20/09/2008	23225/11	02/04/2011
511	11760	20/09/2008	23226/11	02/04/2011
512	11767	20/09/2008	24797/11	15/06/2011
513	11772	21/09/2008	23151/11	02/04/2011
514	11780	21/09/2008	23180/11	02/04/2011
515	11784	21/09/2008	24684/11	14/06/2011
516	11814	11/10/2008	25067/11	20/06/2011
517	11820	11/10/2008	23150/11	02/04/2011

Sr	Application No	Filing Date	Decision No	Decision Date
518	11826	11/10/2008	23141/11	30/03/2011
519	11839	11/10/2008	23223/11	02/04/2011
520	11840	11/10/2008	24687/11	14/06/2011
521	11842	11/10/2008	25084/11	20/06/2011
522	11846	11/10/2008	25069/11	20/06/2011
523	11847	11/10/2008	25070/11	20/06/2011
524	11851	11/10/2008	25226/11	26/06/2011
525	11864	11/10/2008	25093/11	20/06/2011
526	11882	11/10/2008	23179/11	02/04/2011
527	11898	11/10/2008	23171/11	02/04/2011
528	11903	11/10/2008	23222/11	02/04/2011
529	11916	13/10/2008	25066/11	20/06/2011
530	11928	14/10/2008	23221/11	02/04/2011
531	11929	15/10/2008	23143/11	02/04/2011
532	11930	15/10/2008	23144/11	02/04/2011
533	11931	15/10/2008	23145/11	02/04/2011
534	11936	15/10/2008	23178/11	02/04/2011
535	11940	15/10/2008	23177/11	02/04/2011
536	11943	15/10/2008	25091/11	20/06/2011
537	11945	18/10/2008	23146/11	02/04/2011
538	11952	18/10/2008	23176/11	02/04/2011
539	11954	18/10/2008	23147/11	02/04/2011
540	11958	18/10/2008	23148/11	02/04/2011
541	11981	19/10/2008	24794/11	15/06/2011
542	11988	21/10/2008	23149/11	02/04/2011
543	11993	22/10/2008	23215/11	02/04/2011
544	12015	25/10/2008	25090/11	20/06/2011
545	12016	25/10/2008	25078/11	20/06/2011
546	12018	25/10/2008	23342/11	03/04/2011
547	12029	28/10/2008	25006/11	18/06/2011
548	12031	28/10/2008	23386/11	03/04/2011
549	12041	29/10/2008	23341/11	03/04/2011
550	12050	29/10/2008	23351/11	03/04/2011
551	12052	29/10/2008	25087/11	20/06/2011
552	12073	01/11/2008	23385/11	03/04/2011

Sr	Application No	Filing Date	Decision No	Decision Date
553	12083	03/11/2008	25242/11	26/06/2011
554	12087	04/11/2008	23340/11	03/04/2011
555	12093	05/11/2008	23356/11	03/04/2011
556	12100	05/11/2008	23383/11	03/04/2011
557	12104	05/11/2008	23384/11	03/04/2011
558	12107	08/11/2008	23339/11	03/04/2011
559	12113	08/11/2008	25243/11	26/06/2011
560	12118	10/11/2008	23355/11	03/04/2011
561	12138	12/11/2008	24670/11	14/06/2011
562	12139	12/11/2008	25244/11	26/06/2011
563	12141	12/11/2008	23338/11	03/04/2011
564	12146	12/11/2008	25262/11	26/06/2011
565	12163	15/11/2008	25227/11	26/06/2011
566	12164	15/11/2008	25225/11	26/06/2011
567	12181	17/11/2008	25261/11	26/06/2011
568	12202	22/11/2008	23381/11	03/04/2011
569	12203	22/11/2008	23382/11	03/04/2011
570	12204	22/11/2008	23484/11	05/04/2011
571	12205	22/11/2008	23378/11	03/04/2011
572	12233	26/11/2008	25228/11	26/06/2011
573	12236	26/11/2008	23379/11	03/04/2011
574	12237	26/11/2008	25080/11	20/06/2011
575	12238	26/11/2008	24651/11	14/06/2011
576	12239	26/11/2008	25079/11	20/06/2011
577	12240	26/11/2008	25229/11	26/06/2011
578	12252	26/11/2008	23380/11	03/04/2011
579	12256	26/11/2008	23337/11	03/04/2011
580	12266	29/11/2008	24672/11	14/06/2011
581	12274	30/11/2008	23336/11	03/04/2011
582	12275	30/11/2008	23335/11	03/04/2011
583	12280	30/11/2008	25263/11	26/06/2011
584	12284	30/11/2008	23334/11	03/04/2011
585	12290	30/11/2008	23350/11	03/04/2011
586	12300	01/12/2008	25247/11	26/06/2011
587	12303	01/12/2008	25246/11	26/06/2011

Sr	Application No	Filing Date	Decision No	Decision Date
588	12305	01/12/2008	23377/11	03/04/2011
589	12309	01/12/2008	23344/11	03/04/2011
590	12320	02/12/2008	23367/11	03/04/2011
591	12321	02/12/2008	24671/11	14/06/2011
592	12337	14/12/2008	25264/11	26/06/2011
593	12350	14/12/2008	25251/11	26/06/2011
594	12354	14/12/2008	25248/11	26/06/2011
595	12356	14/12/2008	23368/11	03/04/2011
596	12358	14/12/2008	23369/11	03/04/2011
597	12365	14/12/2008	25083/11	20/06/2011
598	12367	14/12/2008	23370/11	03/04/2011
599	12368	14/12/2008	25245/11	26/06/2011
600	12371	14/12/2008	25230/11	26/06/2011
601	12387	14/12/2008	23371/11	03/04/2011
602	12390	14/12/2008	24673/11	14/06/2011
603	12391	14/12/2008	24686/11	14/06/2011
604	12392	14/12/2008	23372/11	03/04/2011
605	12393	14/12/2008	23373/11	03/04/2011
606	12394	14/12/2008	24679/11	14/06/2011
607	12395	14/12/2008	24681/11	14/06/2011
608	12402	14/12/2008	25250/11	26/06/2011
609	12407	14/12/2008	23349/11	03/04/2011
610	12414	16/12/2008	25082/11	20/06/2011
611	12415	16/12/2008	25081/11	20/06/2011
612	12425	17/12/2008	25138/11	21/06/2011
613	12429	17/12/2008	25139/11	21/06/2011
614	12442	17/12/2008	23374/11	03/04/2011
615	12443	17/12/2008	25232/11	26/06/2011
616	12445	17/12/2008	24688/11	14/06/2011
617	12449	17/12/2008	25249/11	26/06/2011
618	12450	17/12/2008	23348/11	03/04/2011
619	12468	20/12/2008	23333/11	03/04/2011
620	12471	20/12/2008	23332/11	03/04/2011
621	12472	20/12/2008	23331/11	03/04/2011
622	12476	20/12/2008	24798/11	15/06/2011

Sr	Application No	Filing Date	Decision No	Decision Date
623	12481	20/12/2008	23375/11	03/04/2011
624	12524	21/12/2008	23330/11	03/04/2011
625	12550	24/12/2008	24685/11	14/06/2011
626	12551	24/12/2008	23376/11	03/04/2011
627	12554	24/12/2008	24669/11	14/06/2011
628	12562	27/12/2008	23329/11	03/04/2011
629	12570	27/12/2008	25241/11	26/06/2011
630	12573	27/12/2008	25231/11	26/06/2011
631	12574	27/12/2008	25233/11	26/06/2011
632	12583	28/12/2008	25234/11	26/06/2011
633	12600	03/01/2009	23354/11	03/04/2011
634	12607	04/01/2009	23289/11	03/04/2011
635	12618	07/01/2009	23347/11	03/04/2011
636	12621	04/01/2009	23366/11	03/04/2011
637	12625	07/01/2009	23328/11	03/04/2011
638	12632	10/01/2009	23365/11	03/04/2011
639	12694	21/01/2009	23364/11	03/04/2011
640	12695	21/01/2009	23363/11	03/04/2011
641	12704	21/01/2009	23327/11	03/04/2011
642	12738	27/01/2009	22485/11	21/03/2011
643	12745	28/01/2009	23346/11	03/04/2011
644	12767	01/02/2009	22486/11	21/03/2011
645	12807	07/02/2009	23359/11	03/04/2011
646	12809	07/02/2009	23360/11	03/04/2011
647	12810	07/02/2009	23361/11	03/04/2011
648	12838	14/02/2009	23326/11	03/04/2011
649	12841	14/02/2009	24236/11	19/05/2011
650	12850	15/02/2009	22306/11	14/03/2011
651	12851	15/02/2009	23352/11	03/04/2011
652	12896	21/02/2009	23325/11	032011/04/
653	12904	23/02/2009	23362/11	03/04/2011
654	12914	24/02/2009	23343/11	03/04/2011
655	12932	25/02/2009	23324/11	03/04/2011
656	12940	28/02/2009	23345/11	03/04/2011
657	12941	28/02/2009	23353/11	03/04/2011

Sr	Application No	Filing Date	Decision No	Decision Date
658	12950	28/02/2009	23357/11	03/04/2011
659	12967	03/03/2009	23358/11	03/04/2011
660	12990	07/03/2009	23323/11	03/04/2011
661	12996	09/03/2009	23322/11	03/04/2011
662	13006	10/03/2009	23282/11	03/04/2011
663	13027	11/03/2009	23256/11	03/04/2011
664	13038	14/03/2009	23257/11	03/04/2011
665	13039	14/03/2009	23258/11	03/04/2011
666	13040	14/03/2009	23259/11	03/04/2011
667	13092	21/03/2009	23260/11	03/04/2011
668	13112	24/03/2009	23261/11	03/04/2011
669	13125	25/03/2009	23262/11	03/04/2011
670	13208	04/04/2009	23321/11	03/04/2011
671	13222	06/04/2009	23263/11	03/04/2011
672	13227	07/04/2009	23320/11	03/04/2011
673	13230	08/04/2009	23264/11	03/04/2011
674	13231	08/04/2009	23265/11	03/04/2011
675	13260	13/04/2009	23266/11	03/04/2011
676	13286	15/04/2009	23267/11	03/04/2011
677	13287	15/04/2009	23268/11	03/04/2011
678	13437	09/05/2009	23269/11	03/04/2011
679	13447	11/05/2009	23270/11	03/04/2011
680	13465	13/05/2009	23271/11	03/04/2011
681	13469	13/05/2009	23272/11	03/04/2011
682	13496	16/05/2009	23291/11	03/04/2011
683	13558	24/05/2009	23292/11	03/04/2011
684	13595	30/05/2009	23319/11	03/04/2011
685	13615	03/06/2009	23273/11	03/04/2011
686	13742	20/06/2009	23274/11	03/04/2011
687	13748	20/06/2009	23318/11	03/04/2011
688	13749	21/06/2009	23288/11	03/04/2011
689	13763	23/06/2009	23317/11	03/04/2011
690	13775	24/06/2009	23316/11	03/04/2011
691	13798	29/06/2009	23312/11	03/04/2011
692	13812	30/06/2009	23313/11	03/04/2011

Sr	Application No	Filing Date	Decision No	Decision Date
693	13919	15/07/2009	25157/11	21/06/2011
694	13960	22/07/2009	23314/11	03/04/2011
695	13966	22/07/2009	24665/11	14/06/2011
696	13978	26/07/2009	24862/11	16/06/2011
697	14018	29/07/2009	25140/11	21/06/2011
698	14020	01/08/2009	23315/11	03/04/2011
699	14116	15/08/2009	24806/11	15/06/2011
700	14145	19/08/2009	23285/11	03/04/2011
701	14152	22/08/2009	23255/11	03/04/2011
702	14162	22/08/2009	23295/11	03/04/2011
703	14229	02/09/2009	23284/11	03/04/2011
704	14317	26/09/2009	23296/11	03/04/2011
705	14328	26/09/2009	24668/11	14/06/2011
706	14350	26/09/2009	23281/11	03/04/2011
707	14393	29/09/2009	23297/11	03/04/2011
708	14408	30/09/2009	23298/11	03/04/2011
709	14434	05/10/2009	23283/11	03/04/2011
710	14452	07/10/2009	23287/11	03/04/2011
711	14463	10/10/2009	23280/11	03/04/2011
712	14464	10/10/2009	23279/11	03/04/2011
713	14510	17/10/2009	23299/11	03/04/2011
714	14511	17/10/2009	23300/11	03/04/2011
715	14536	21/10/2009	25141/11	21/06/2011
716	14546	21/10/2009	23301/11	03/04/2011
717	14557	25/10/2009	23278/11	03/04/2011
718	14609	31/10/2009	23277/11	03/04/2011
719	14626	03/11/2009	23294/11	03/04/2011
720	14632	03/11/2009	23302/11	03/04/2011
721	14643	07/11/2009	24217/11	19/05/2011
722	14694	11/11/2009	24074/11	19/05/2011
723	14710	16/11/2009	23303/11	03/04/2011
724	14711	16/11/2009	23304/11	03/04/2011
725	14725	17/11/2009	23276/11	03/04/2011
726	14813	05/12/2009	23275/11	03/04/2011
727	14954	19/12/2009	23286/11	03/04/2011

Sr	Application No	Filing Date	Decision No	Decision Date
728	14969	19/12/2009	23305/11	03/04/2011
729	15000	22/12/2009	23306/11	03/04/2011
730	15023	23/12/2009	23307/11	03/04/2011
731	15024	23/12/2009	23308/11	03/04/2011
732	15030	26/12/2009	23309/11	03/04/2011
733	15031	26/12/2009	23310/11	03/04/2011
734	15032	26/12/2009	23311/11	03/04/2011
735	15484	20/03/2010	21686/11	09/03/2011
736	15734	26/04/2010	20338/11	25/01/2011
737	15857	12/05/2010	24202/11	19/05/2011
738	15923	23/05/2010	24204/11	19/05/2011
739	16272	10/07/2010	20308/11	24/01/2011
740	16474	09/08/2010	22365/11	18/03/2011
741	16479	10/08/2010	21963/11	13/03/2011
742	16517	17/08/2010	22519/11	21/03/2011
743	16540	22/08/2010	22020/11	14/03/2011
744	16583	28/08/2010	21965/11	13/03/2011
745	16587	28/08/2010	22405/11	18/03/2011
746	16604	31/08/2010	22236/11	14/03/2011
747	16605	31/08/2010	22016/11	14/03/2011
748	16616	31/08/2010	22017/11	14/03/2011
749	16673	18/09/2010	22019/11	14/03/2011
750	16699	18/09/2010	22304/11	14/03/2011
751	16805	02/10/2010	22524/11	21/03/2011
752	16832	06/10/2010	21750/11	09/03/2011
753	16891	17/10/2010	21651/11	09/03/2011
754	16892	18/10/2010	21752/11	09/03/2011
755	17067	06/11/2010	22011/11	14/03/2011
756	17069	06/11/2010	22012/11	14/03/2011
757	17119	22/11/2010	22484/11	21/03/2011
758	17357	15/12/2010	23869/11	14/05/2011
759	17422	21/12/2010	24123/11	19/05/2011
760	17545	09/01/2011	24137/11	19/05/2011
761	17566	12/01/2011	24046/11	19/05/2011

Rejected Patent Applications

List of Rejected Patent Applications

From 01/01/2011 To 30/06/2011

Sr	Application No	Filing Date	Decision No	Decision Date
1	1025	18/11/2000	21591/11	27/02/2011
2	1148	16/01/2001	19987/11	02/01/2011
3	1176	13/02/2001	22669/11	25/03/2011
4	1177	13/02/2001	22670/11	25/03/2011
5	1319	25/04/2001	22671/11	25/03/2011
6	1689	21/10/2001	19998/11	02/01/2011
7	1730	19/11/2001	24390/11	29/05/2011
8	1939	09/04/2002	20202/11	23/01/2011
9	2429	07/01/2003	25036/11	18/06/2011
10	2932	24/09/2003	20293/11	24/01/2011
11	2936	28/09/2003	20119/11	22/01/2011
12	3111	17/12/2003	24958/11	16/06/2011
13	3119	20/12/2003	25046/11	19/06/2011
14	3166	19/01/2004	20134/11	22/01/2011
15	3172	20/01/2004	25077/11	20/06/2011
16	3184	25/01/2004	20289/11	24/01/2011
17	3188	26/01/2004	20114/11	22/01/2011
18	3194	07/02/2004	23387/11	03/04/2011
19	3196	07/02/2004	25181/11	21/06/2011
20	3239	22/02/2004	20135/11	22/01/2011
21	3387	14/04/2004	23446/11	04/04/2011
22	3391	17/04/2004	23445/11	04/04/2011
23	3437	05/05/2004	23444/11	04/04/2011
24	3451	09/05/2004	23395/11	03/04/2011
25	3568	20/06/2004	23407/11	03/04/2011
26	3691	02/08/2004	25182/11	21/06/2011
27	3717	10/08/2004	23975/11	17/05/2011
28	3754	23/08/2004	23978/11	17/05/2011
29	3797	11/09/2004	24782/11	15/06/2011
30	3829	21/09/2004	24811/11	15/06/2011
31	3837	26/09/2004	25209/11	26/06/2011
32	3852	29/09/2004	23979/11	17/05/2011
33	4027	27/11/2004	23795/11	02/05/2011

Sr	Application No	Filing Date	Decision No	Decision Date
34	4109	18/12/2004	24404/11	04/06/2011
35	4110	18/12/2004	25183/11	21/06/2011
36	4140	18/12/2004	25185/11	21/06/2011
37	4141	18/12/2004	25184/11	21/06/2011
38	4142	18/12/2004	25187/11	21/06/2011
39	4183	03/01/2005	25180/11	21/06/2011
40	4304	15/02/2005	25144/11	21/06/2011
41	4306	16/02/2005	25145/11	21/06/2011
42	4307	16/02/2005	25143/11	21/06/2011
43	4381	05/03/2005	25156/11	21/06/2011
44	4397	08/03/2005	25155/11	21/06/2011
45	4402	09/03/2005	25142/11	21/06/2011
46	4474	26/03/2005	23916/11	17/05/2011
47	4489	30/03/2005	25186/11	21/06/2011
48	4539	13/04/2005	25189/11	21/06/2011
49	4678	21/05/2005	25033/11	18/06/2011
50	4775	14/06/2005	21284/11	19/02/2011
51	4782	15/06/2005	24957/11	16/06/2011
52	4783	15/06/2005	24956/11	16/06/2011
53	4819	22/06/2005	24955/11	16/06/2011
54	4824	22/06/2005	25034/11	18/06/2011
55	4850	28/06/2005	21329/11	19/02/2011
56	5214	27/09/2005	20115/11	22/01/2011
57	5366	12/11/2005	20117/11	22/01/2011
58	5383	16/11/2005	20116/11	22/01/2011
59	5385	16/11/2005	20118/11	22/01/2011
60	5732	28/01/2006	25074/11	20/06/2011
61	5836	18/02/2006	20121/11	22/01/2011
62	5866	22/02/2006	25076/11	20/06/2011
63	5885	28/02/2006	20120/11	22/01/2011
64	5906	04/03/2006	23796/11	02/05/2011
65	6005	27/03/2006	21572/11	27/02/2011
66	6127	19/04/2006	20150/11	22/01/2011
67	6217	06/05/2006	23797/11	02/05/2011
68	6582	16/07/2006	25005/11	18/06/2011
69	6583	16/07/2006	25004/11	18/06/2011

Sr	Application No	Filing Date	Decision No	Decision Date
70	6691	30/07/2006	24000/11	17/05/2011
71	7093	28/10/2006	23801/11	02/05/2011
72	7315	02/12/2006	20274/11	23/01/2011
73	7328	05/12/2006	20294/11	24/01/2011
74	7608	15/01/2007	21427/11	19/02/2011
75	7609	15/01/2007	21428/11	19/02/2011
76	8039	31/03/2007	19926/11	01/01/2011
77	8049	31/03/2007	25068/11	20/06/2011
78	8144	16/04/2007	23647/11	23/04/2011
79	8145	17/04/2007	19997/11	02/01/2011
80	8316	15/05/2007	25056/11	19/06/2011
81	8494	12/06/2007	20808/11	05/02/2011
82	8545	20/06/2007	20809/11	05/02/2011
83	8556	20/06/2007	23836/11	09/05/2011
84	9082	15/09/2007	20122/11	22/01/2011
85	9133	22/09/2007	24872/11	16/06/2011
86	9477	12/11/2007	24667/11	14/06/2011

Change of the Ownership

List of Patent Applications with Change of Ownership

From 01/01/2011 To 30/06/2011

Sr	Application No	Date of Change Ownership	Name of Owner before Change	Name of Owner after Change
1	GCC/P/2001/1765	27/02/2011	Elan pharma International Ltd	Janssen Alzheimer Immunotherapy
			Wyeth	Wyeth
2	GCC/P/2003/2426	05/04/2011	DSM IP ASSETS B.V	Stamicarbon B.V.
3	GCC/P/2004/3511	01/05/2011	Elan pharma International Ltd	Janssen Alzheimer Immunotherapy
			Wyeth	Wyeth
4	GCC/P/2004/3775	05/04/2011	JFE Holdings Inc	Inpex Corporation
				Japan Petroleum Exploration Co Ltd
				Total Gas & Power Ventures
				Toyota Tsusho Corporation
5	GCC/P/2004/3836	26/01/2011	Union Carbide Chemicals & Plastics Technology LLC	Dow Technology Investments LLC
6	GCC/P/2004/3985	05/04/2011	DSM IP Assets B.V.	Stamicarbon B.V.
7	GCC/P/2005/4426	05/04/2011	DSM IP Assets B.V.	Stamicarbon B.V.
8	GCC/P/2005/4869	05/04/2011	DSM IP Assets B.V.	Stamicarbon B.V.
9	GCC/P/2005/5014	05/03/2011	Compagnie Generale De Geophysique	CGG Veritas Services SA
10	GCC/P/2005/5478	05/04/2011	DSM IP Assets B.V.	Stamicarbon B.V.
11	GCC/P/2006/5735	01/05/2011	Elan Pharma international Limted	Janssen Alzhemer Immunotherapy
			Wyeth	Wyeth
12	GCC/P/2006/6034	04/06/2011	Proflux Systems LLP.	Oilflow Solutions Holdings Limited
13	GCC/P/2006/6110	05/04/2011	DSM IP Assets B.V.	Stamicarbon B.V.
14	GCC/P/2006/6242	05/04/2011	DSM IP Assets B.V.	Stamicarbon B.V.

Sr	Application No	Date of Change Ownership	Name of Owner before Change	Name of Owner after Change
15	GCC/P/2006/6542	03/01/2011	Engelhard De Meern B. V	Basf Nederland B.V
			Sasol Technology (Proprietary) Limited	Sasol Technology (Proprietary) Limited
16	GCC/P/2006/6831	06/03/2011	Compagnie Generale De Geophysique	CGG Veritas Services SA
17	GCC/P/2007/7911	07/05/2011	Moltech Invent S.A	Rio Tinto Alcan International Limted
			Dalian Institute of Chemical Physics	Dalian Institute of Chemical Physics
			Chinese Academy of Sciences	Chinese Academy of Sciences
18	GCC/P/2007/9314	02/01/2011	Takeda San Diego Inc	Takeda Pharmaceutical Comapny Limited
19	GCC/P/2007/9387	04/06/2011	Proflux Systems LLP	Oilflow Solutions Holdings Limited
			Xoma Technology Ltd	Xoma Technology Ltd
20	GCC/P/2007/9652	05/04/2011	DSM IP Assets B.V.	Stamicarbon B.V.
21	GCC/P/2008/10294	05/04/2011	Schhlumberger Technology B.V	Prad Research and Development N.V
				Schlumberger Holdings Limited
				Schhlumberger Technology B.V
22	GCC/P/2008/11059	04/06/2011	Proflux Systems LLP	Oilflow Solutions Holdings Limited
23	GCC/P/2008/11348	04/06/2011	Proflux Systems LLP	Oilflow Solutions Holdings Limited
24	GCC/P/2009/12702	14/03/2011	Prad Research and Development Limited	Schlumberger Holdings Limited
				Schhlumberger Technology B.V
				Prad Research and Development Limited
25	GCC/P/2009/12834	16/02/2011	Bunge Participacoes e Investimentos S.A	Bunge Fertilizantes S.A.
			Universidade Estadual de Campinas	Universidade Estadual de Campinas
26	GCC/P/2009/13205	05/04/2011	DSM IP Assets B.V.	Stamicarbon B.V.

Sr	Application No	Date of Change Ownership	Name of Owner before Change	Name of Owner after Change
27	GCC/P/2009/13448	05/04/2011	LNG Japan Corporation	Inpex Corporation
			JFE Steel Corporation	Japan Petroleum Exploration Co Ltd
			JFE Engineering Corporation	
			Taiyo Nippon Sanso Corporation	Total Gas & Power Ventures
			Hitachi Ltd	Toyota Tsusho Corporation
			Marubeni Corporation	
28	GCC/P/2009/13449	05/04/2011	LNG Japan Corporation	Inpex Corporation
			JFE Steel Corporation	Japan Petroleum Exploration Co Ltd
			JFE Engineering Corporation	
			Taiyo Nippon Sanso Corporation	Total Gas & Power Ventures
			Hitachi Ltd	Toyota Tsusho Corporation
			Marubeni Corporation	
29	GCC/P/2009/13520	05/04/2011	DSM IP Assets B.V.	Stamicarbon B.V.
30	GCC/P/2009/13525	05/04/2011	DSM IP Assets B.V.	Stamicarbon B.V.
31	GCC/P/2009/13965	01/05/2011	Elan pharma International Limited	Janssen Alzheimer Immunotherapy
			Wyeth	Wyeth
32	GCC/P/2009/14315	18/06/2011	Prad Research and Development Limited	Intelliserv International Holding Ltd
33	GCC/P/2009/14536	20/02/2011	Wayne Rudd	TubeFuse Applications B.V
34	GCC/P/2009/14961	18/05/2011	Tarik Ali M. Abo Laban	HIRC International for Projects Management &
				Buildings General Contracting W.L.L
35	GC 2010 - 15185	07/03/2011	Seed Co Ltd	Senju Pharmaceutical Co Ltd
			Senju Pharmaceutical Co Ltd	
36	GC 2010 - 15188	06/04/2011	Ralph Mohmoud OMAR	Omarco Network Solutions Limited
37	GC 2010 - 16103	19/02/2011	Evonik Degussa GmbH	Evonik Rohm GmbH

List of Patent Applications with Change of Ownership

until 30/06/2011 and not Published Previously

Sr	Application No	Date of Change Ownership	Name of Owner before Change	Name of Owner after Change
1	GCC/P/2001//1765	17/06/2009	Neuralab Limited	Elan Pharma International Limited
			Wyeth	Wyeth

List of Patent with Change of Ownership

From 01/01/2011 To 30/06/2011

Sr	Patent No	Date of Change Ownership	Name of Owner before Change	Name of Owner after Change
1	GC 0000483	05/03/2011	Compagnie Generale De Geophysique	CGG Veritas Services SA
2	GC 0000639	03/01/2011	Engelhard De Meern B. V	Basf Nederland B.V
			Sasol Technology (Proprietary) Limited	Sasol Technology (Proprietary) Limited
3	GC 0000701	05/03/2011	Compagnie Generale De Geophysique	CGG Veritas Services SA
			Institut Francias Du Petrole	Institut Francias Du Petrole
4	GC 0000713	05/03/2011	Compagnie Generale De Geophysique-Vertas	CGG Veritas Services SA
5	GC 0000846	05/04/2011	DSM IP Assets B.V	Stamicarbon B.V
6	GC 0000917	05/03/2011	Compagnie Generale De Geophysique - Veritas	CGG Veritas Services SA
7	GC 0000944	05/03/2011	Compagnie Generale De Geophysiqu	CGG Veritas Services SA

Sr	Patent No	Date of Change Ownership	Name of Owner before Change	Name of Owner after Change
8	GC 0001080	26/01/2011	Union Carbide &Chemicals Plastics Technology LLC	Dow Technology Investments LLC
9	GC 0001122	05/04/2011	DSM IP Assets B.V	Stamicarbon B.V
			Uhde GmbH	Uhde GmbH
10	GC 0001350	04/06/2011	Proflux Systems LLP	Oilflow Solutions Holdings Limited
11	GC 0001378	26/01/2011	Union Carbide &Chemicals Plastics Technology LLC	Dow Technology Investments LLC
12	GC 0001401	05/04/2011	DSM IP Assets B.V	Stamicarbon B.V
13	GC 0001413	05/04/2011	DSM IP Assets B.V	Stamicarbon B.V

Withdrawal
Patent Applications

List of Withdrawal Patent Applications
From 01/01/2011 To 30/06/2011

Sr	Application No	Filing Date	Withdrawal Date
1	10247	01/03/2008	20/6/2011
2	10332	12/03/2008	27/02/2011
3	14219	01/09/2009	25/05/2011

Withdrawal Administrative Decisions

List of Withdrawal Administrative Decisions

From 01/01/2011 To 30/06/2011

Sr	Application No	Filing Date	Withdrawal Decision		
			Decision No	Decision Date	Decision Type
1	7846	26/02/2007	15925/10	02/08/2010	Lapse
2	13312	19/04/2009	23290/11	03/04/2011	Lapse
3	14371	28/09/2009	23293/11	03/04/2011	Lapse
4	15677	17/04/2010	17827/10	05/10/2010	Lapse
5	16389	27/07/2010	20242/11	23/01/2011	Lapse

Rectifications

Rectifications for the Previous Issues of the Patent Gazette

Sr	Issue	Page	Patent No	Before Rectification	After Rectification
1	14	54	GC 0001191	[73] Owner: Surrey Aquatechnology Limited; Bramley House, The Guildway Old Portsmouth Road, Guildford Surrey GU3 1 LR, United Kingdom	[73] Owner: Surrey Aquatechnology Limited; University of Surrey,Guilford,Surrey, GU2 7XH United Kingdom
2	14	98	GC 0001235	[74] Agent : Suleiman Ibrahim Al-Ammar	[74] Agent: Saud M. A. Shawwaf
3	14	123	GC 0001260	[22] Filing Date: 03/06/2006	[22] Filing Date: 16/06/2001
4	15	44	GC 0001312	No. of figures: 9	No. of figures: 11
5	15	45	GC 0001313	No. of figures: 6	No. of figures: 7
6	15	51	GC 0001319	No. of figures: 3	No. of figures: 4
7	15	55	GC 0001323	No. of claims: 8	No. of claims: 18
8	15	76	GC 0001344	No. of figures: 4	No. of figures: 5
9	15	77	GC 0001345	[73] Owner: Wassyl Nowicky	[73] Owner: Dipl-Ing DiDr, Wassyl Nowicky
10	15	78	GC 0001346	No. of figures: 10	No. of figures: 11
11	15	79	GC 0001347	No. of figures: 13	No. of figures: 15
12	15	103	GC 0001371	No. of figures: 8	No. of figures: 11
13	15	104	GC 0001372	No. of figures: 10	No. of figures: 11
14	15	105	GC 0001373	No. of claims: 44	No. of claims: 43
15	15	114	GC 0001382	No. of figures: 6	No. of figures: 9
16	15	117	GC 0001385	No. of figures:11	No. of figures: 8
17	15	135	GC 0001403	No. of claims: 111	No. of claims: 109
18	15	147	GC 0001415	No. of figures: 6	No. of figures: 5
19	15	160	GC 0001428	No. of claims: 8	No. of claims: 10
20	15	161	GC 0001429	[73] Owners: 1- Mulheim Pipecoating GmbH 2- Basell Polyolefine GmbH	[73] Owners: 1- Mulheim Pipe coatings GmbH 2- Basell Polyolefine GmbH
21	15	168	GC 0001436	No. of claims: 39	No. of claims: 25

Sr	Issue	Page	Patent No	Before Rectification	After Rectification
22	15	173	GC 0001441	[54] Title of Invention : Polymer Composition	[54] Title of Invention :Polyethylene compounds comprising resins for the manufacture of pipe fittings
23	15	177	GC 0001445	No. of figures: None	No. of figures: 9
24	15	211	GC 0001479	No. of figures:17	No. of figures: 16
25	15	255	Without	Application No: GCC/P/2010/14253	Application No: GC 2010-14253
26	15	253	Without	Application No: GCC/P/2010/15068	Application No: GC 2010-15068
27	15	253	Without	Application No: GCC/P/2010/15900	Application No: GC 2010-15900

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001191

[45] Date of Publishing the Grant of the Patent: 30/09/2010 14/2010

Number of the Decision to Grant the Patent: 10/10144

Date of the Decision to Grant the Patent: 06/01/2010

[21] Application No.: GCC/P/2004/3720
[22] Filing Date: 11/08/2004
[30] Priority:
[31] Priority No. [32] Priority date [33] State
0319042.8 13/08/2003 GB
[72] Inventors: 1- Abdulsalam Almayahi, 2- Adel Sharif
[73] Owner: Surrey Aquatechnology Limited; University of Surrey,Guilford,Surrey,GU2 7XH United Kingdom
[74] Agent: Saud M. A. Shawwaf

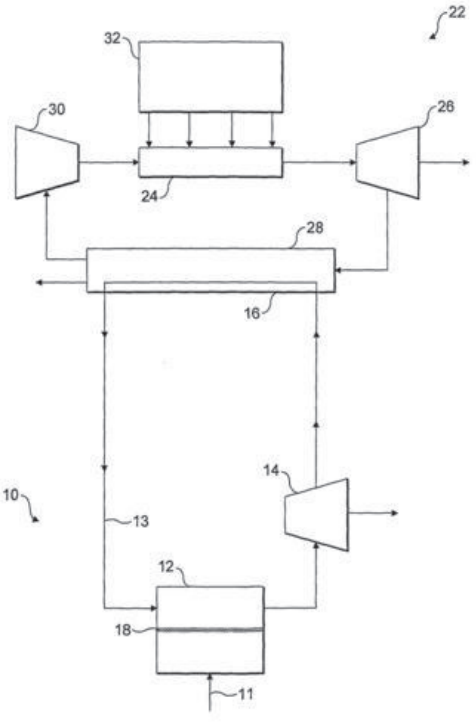
[51] Int. Cl.[7]: F03G 7/00
[56] Cited Documents:
- US 3906250 A (BEN-GURION UNIVERS) 16 September 1975
- US 4177146 A (POPPER K) 04 December 1979
- DE 3121968 A1 (GRONECKE O) 05 January 1983

Examiner: Mousab Ahmed AlFadhala

[54] OSMOTIC ENERGY

[57] Abstract: A process for driving a prime mover, said process comprising a) positioning a selective membrane between a liquid and a solution having a higher osmotic potential than the liquid, such that the solution becomes pressurised by the influx of liquid across the membrane, b) using the pressure generated in the solution to drive a prime mover, c) recovering the solution, d) separating at least some of the solvent from the solution to form a residual product, and e) recycling the separated solvent and/or the residual product of step d) to step a).

No. of claims: 21 **No. of figures: 3**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

[12] Patent

[11] Patent No.: GC 0001235

[45] Date of Publishing the Grant of the Patent:
30/09/2010 14/2010

Number of the Decision to Grant the Patent:
9/6658

Date of the Decision to Grant the Patent: 12/07/2009

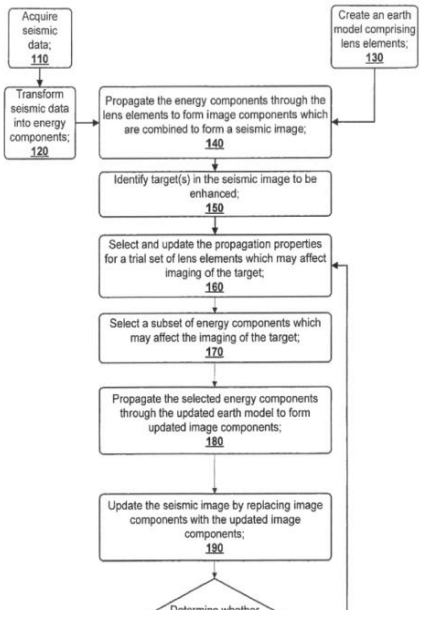
[21] Application No.: GCC/P/2005/5155
[22] Filing Date: 13/09/2005
[30] Priority:
[31] Priority No. [32] Priority date [33] State
10/940,579 13/09/2004 US
[72] Inventor: N. Ross Hill
[73] Owner: Chevron U.S.A. Inc., 555 Market Street, San Francisco, California 94105, USA
[74] Agent : Saud M. A. Shawwaf

[51] Int. Cl.[7]: G01V 1/28
[56] Cited Documents:
- ALKHALIFAH, TARIQ."GAUSSIAN BEAM DEPTH MIGRATION FOR ANISOTROPIC MEDIA", GEOPHYSICS, Vol. 60, No. 5, September - October 1995
- US 5640368 A (KREBS) 17 June 1997
- US 4964088 A (CHITTINENI) 16 October 1990
- US 5260911 A (MASON et al.) 09 November 1993

Examiner: Mohammed Ali Al-Jaffar

[54] METHODS FOR EARTH MODELING AND SEISMIC IMAGING USING INTERACTIVE AND SELECTIVE UPDATING

[57] Abstract: A method for creating an enhanced seismic image is described. Seismic data is acquired from a seismic survey conducted over a subterranean region. The seismic data is transformed into energy components, preferably Gaussian beam components. An earth model is created which is comprised of lens elements. The set of energy components is propagated or migrated through the lens elements to form image components which are combined into a seismic image. A target is identified in the seismic image for image enhancement. Ray tracing may be used to select the trial set of lens elements to be updated and to select a subset of energy components. The subset of energy components is propagated through updated earth model to form updated image components. The seismic image is updated by replacing image components with updated image components which are formed from the subset of selected energy components. This subset is ideally greatly reduced in size relative to the overall number of energy components, i.e., beam components.



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001260 **[45] Date of Publishing the Grant of the Patent: 30/09/2010 14/2010**	**Number of the Decision to Grant the Patent: 10/11718** **Date of the Decision to Grant the Patent: 15/03/2010**
[21] Application No.: GCC/P/2006/6350 **[22] Filing Date: 16/06/2001** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **04029646.9 08/06/2001 EP** **[72] Inventors:1-Saeed M. Al-Zahrani, 2-Ahmed E. Abasaeed, 3- Nimir O. Elbashir, 4- Mazhar Abdulwahed** **[73] Owner: Saudi Basic Industries corporation (SABIC), P.O. Box 5101, Riyadh 11422, Kingdom of Saudi Arabia** **[74] Agent: Ahmad N. Bazar Bashi**	**[51] Int. Cl.[8]: B01J 23/30, 23/00; C07C 5/48** **[56] Cited Documents:** **- US 4474897 A (HOBBS CHARLES F) 02 October 1984** **- US 4110253 A (LEACH BRUCE E) 29 August 1978** **- EP 0958860 A (NIPPON CATALYTIC CHEM INO) 24 November 1999** **- US 5162597 A (WU AN-HSIANG) 10 November 1992** **- US 5852219 A (HOFEN WILLI et al.) 22 December 1998** **Examiner: Fahad Z. AL mutairi**

[54] CATALYSTS FOR PRODUCTION OF OLEFINS BY OXIDATIVE DEHYDROGENATION

[57] Abstract: The present invention relates to a catalyst composition for oxidative dehydrogenation of hydrocarbons to produce olefins, said composition having the: XxYyWOz wherein: X is at least one element selected from the group consisting of Li, Na, Rb, and Fr; Y is at least one element selected from the group consisting of B, Al, Ga, In, Tl, C, Si, Ge and Sn; x is 0.5-2.5; y is 0.05-5; and z is an integer representing the number of oxygen atoms required to satisfy the valancy of X, Y, and W in said compound.

No. of claims: 5

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

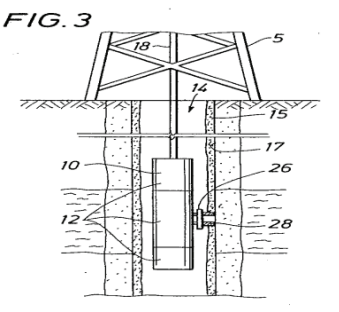
[11] Patent No.: GC 0001312 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/14966** **Date of the Decision to Grant the Patent: 20/06/2010**
[21] Application No.: GCC/P/2003/2614 **[22] Filing Date:23/04/2003** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **10/184,883 28/06/2002 US** **[72] Inventors:1-Bunker M. Hill , 2-Alexander Zazovsky** **[73] Owner: Servicios de Perfilajes Electronicos, S. A., Craigmuir Chambers , Road Town, British Virgin Islands, Tortola, United Kingdom** **[74] Agent: Suleiman Ibrahim Al-Ammar**	**[51] Int. Cl.[7]: E21B 49/08** **[56] Cited Documents:** **- US 6301959 B (HRAMATZ et al.)** **- US 5770798 A (GEORGI et al.)** **Examiner: Ahmed Al-Hinai**

[54] METHOD AND APPARAUTS FOR SUBSURFACE FLUID SAMPLING

[57] Abstract: An apparatus and method for extracting fluid from a subsurface formation is disclosed. A downhole sampling tool is provided with a probe having an internal wall. capable of selectively diverting virgin fluids into one or more virgin flow channels for sampling, while diverting contaminated fluids into one or more contaminated flow channels to be discarded . The characteristics of the fluid passing through the channels of the probe may also be measured using techniques, such as optical density, to evaluate various fluid parameters, such as contamination levels. The data generated during sampling may be sent to a controller capable of generating data, communicating and/or sending command signals. The flow of fluid into the downhole tool may be selectively adjusted to optimize the flow of fluid into the channels by adjusting the internal wall within the probe and/or by adjusting the flow rates through the channels. The configuration of the internal wall and/or the flow rates may be automatically adjusted by the controller and/or manually manipulated to further optimize the fluid flow.

No. of claims: 15 **No. of figures: 11**

FIG. 3



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE
COOPERATION COUNCL FOR
THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع
لمجلس التعاون لدول الخليج العربية

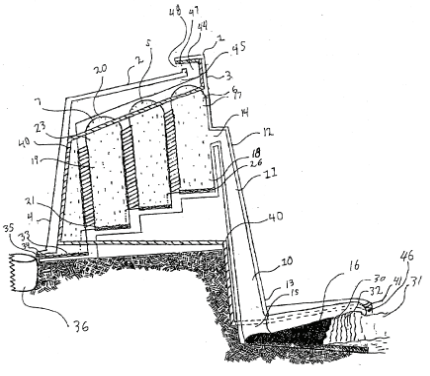
Corrected version **[12] Patent**

[11] Patent No.: GC 0001313 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 9/9629** **Date of the Decision to Grant the Patent: 29/12/2009**
[21] Application No.: GCC/P/2003/2630 **[22] Filing Date: 30/04/2003** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/377,769 02/05/2002 US** **[72] Inventor: Jeffery Ciudaj** **[73] Owner: Jeffery Ciudaj, P.O. Box 94, Angwin, California 94508, USA** **[74] Agent: Suleiman Ibrahim Al-Ammar**	**[51] Int. Cl.[7]: B01D 1/00, 3/02; C02F 1/04, 1/14** **[56] Cited Documents:** **- US 4,319,141 A (SCHMUGGE) 09 March 1982** **- US 6,327,994 B1 (LABRADOR) 11 December 2001** **- US 4,219,387 A (GRUNTMAN) 26 August 1980** **- US 4,507,916 A (ANDERSON) 02 April 1985** **Examiner: Mousab Ahmed AlFadhala**

[54] PROCESS AND STRUCTURE FOR SUPERACCELERATING NATURE, PRODUCING A CONTINUOUS SUPPLY OF FRESH WATER FROM SALT WATER BY USING SOLAR, WIND, AND WAVE ENERGY

[57]Abstract: A continuous supply of fresh water achieved through desalinization by a system of Venturi shafts to increase the velocity and pressure of air flow allowing for increased condensation and processing of evaporated water through a structure that incorporates a blackened evaporation surface, concave Venturi wind walls, a vertical Venturi wind shaft, condensation chambers connected by horizontally stacked hollow cylinders, a heat transfer duct that draws cool air from a water body, vents hot air through an air exhaust port, and a water drainage port that flows water to a reservoir.

No. of claims: 16 **No. of figures: 7**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001319 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/18644** **Date of the Decision to Grant the Patent: 09/11/2010**
[21] Application No.: GCC/P/2003/2836 **[22] Filing Date: 10/08/2003** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **0218815.9 31/08/2002 GB** **[72] Inventors: 1- Vincent White, 2- David B. Byard, 3- Andrew Weaver, 4- Rodney J. Allam** **[73] Owner: Air Products And Chemicals, Inc., 7201 Hamilton Boulevard, Allentown, USA** **[74] Agent: Suleiman Ibrahim Al-Ammar**	**[51] Int. Cl.[7]: C10G 2 /00** **[56] Cited Documents:** **- US 4782096 A (BANQUY DAVID) 01 November 1988** **- US 4252736 A (HAAG O et al.) 24 February 1981** **- US 5173513 A (PINTO ALWYN) 22 December 1992** **- US 5132007 A (MEYER LEE G et al.) 21 July 1992** **Examiner: Yahiya N. Al-BuSafi**

[54] PROCESS AND APPARATUS FOR THE PRODUCTION OF HYDROCARBON COMPOUNDS FROM METHANE

[57] Abstract: Higher molecular weight hydrocarbon compounds or oxygenates are produced from a gas comprising methane in a process comprising the steps of generating synthesis gas ("syngas") comprising carbon monoxide and hydrogen by reaction of a gas comprising methane with steam and/or an oxidant gas comprising oxygen, producing higher molecular weight hydrocarbon compounds or oxygenates in a syngas conversion process, removing offgas comprising unreacted hydrogen and unreacted carbon monoxide from said syngas conversion process and separating cryogenically unreacted hydrogen from said offgas or from a gas derived therefrom to produce separated hydrogen product that is is substantially free of unreacted carbon monoxide and a first cryogenic liquid comprising unreacted carbon monoxide. The unreacted hydrogen is preferably separated from the offgas in a liquid methane wash column. Two advantages of this process are that this cryogenic separation process is more efficient than known pressure swing absorption techniques and that the concentration of carbon monoxide in the separated hydrogen product is sufficiently small that the separated hydrogen product may be used in the hydrogenation of a wax fraction of the higher molecular weight hydrocarbon compounds without further purification or processing.

No. of claims: 27 **No. of figures: 4**

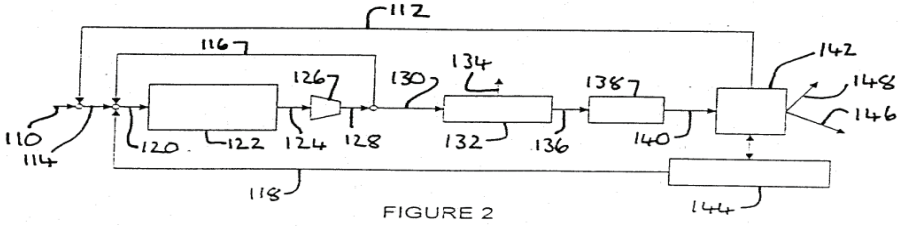


FIGURE 2

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001323 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/18505** **Date of the Decision to Grant the Patent: 09/11/2010**
[21] Application No.: GCC/P/2003/2883 **[22] Filing Date: 03/09/2003** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **02/09895 04/09/2002 EP** **[72] Inventors: 1- Sahbi Belkhiria, 2- Ibrahim M. Al-Alim** **[73] Owner: Polykem Sarl, Parc Scientifique, PSE-B-EPFL, CH-1015, Lausanne, Switzerland** **[74] Agent: Hassan Al-Mulla**	**[51] Int. Cl.[7]: A61L 15/60; F26B 9/08, 20/00; B01J 2/20; C08J 9/28** **[56] Cited Documents:** **- CH 691572 A5 (LIST AG) 31 August 2001** **- US 3634944 A (M. L. ZONIS et al.) 18 January 1972** **- US 5668252 A (T. YOKOI et al.) 16 September 1997** **- CA 2346492 A1 (BASF AKTIENGESELLSCHAFT) 04 May 2000** **- DE 19901267 A1 (A. LOHR) 27 July 2000** **- WO 00/50096 A1 (THE DOW CHIMICAL COMPANY) 31 August 2000** **- US 6381866 B2 (D. GEHRMANN et al.) 07 May 2002** **- US 6395325 B1 (A. V. HEDGE et al.) 28 May 2002** **Examiner: Yahya N. Al-Busafi**

[54] PROCESS FOR THE PRODUCTION OF SAP

[57] Abstract: During a continuous process for the production of dried Superabsorbent polymers (SAPs) the polymerization reaction is carried out either in an initially homogenous aqueous monomer solution (bulk aqueous solution polymerization) or in a heterogeneous water-in-oil reactant mixture (reverse phase suspension or emulsion polymerization) within a continuous closed polymerization reactor (1), then the resulting polymer gel is dried within a continuous moved bed in a closed dryer (2), avoiding the needs of standard intermediate maturity tank(s).

No. of claims: 18

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001344

[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011

Number of the Decision to Grant the Patent: 10/18068

Date of the Decision to Grant the Patent: 25/10/2010

[21] Application No.: GCC/P/2004/3495
[22] Filing Date: 25/05/2004
[30] Priority:
[31] Priority No. [32] Priority date [33] State
03076614.1 26/05/2003 EP
[72] Inventor: Antonio Maria Guimaraes Leite Cruz
[73] Owner: Shell Internationale Research Maatschappij B. V., Carel van Bylandtlaan 30, 2596 HR, The Hague, The Netherlands
[74] Agent: Suleiman Ibrahim Al-Ammar

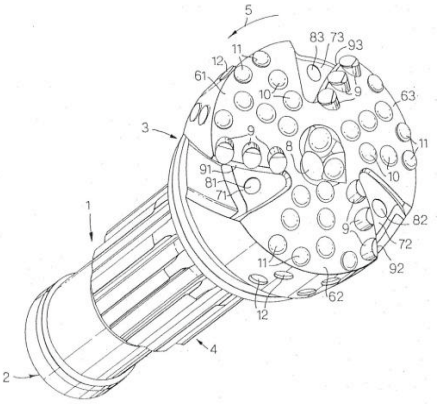
[51] Int. Cl.[7]: E21B 10/36, 10/38
[56] Cited Documents:
- US 6253864 B1 (HALL DAVID R) 03 July 2001

Examiner: Mousab Ahmed AlFadhala

[54] PERCUSSIVE DRILL BIT, DRILLING SYSTEM COMPRISING SUCH A DRILL BIT AND METHOD FOR DRILLING A BORE HOLE

[57] Abstract: A percussion drill bit for drilling into a subterranean earth formation, the drill bit having a central longitudinal axis and being operable by applying axial percussive motion along the axis and rotary motion about the axis, the drill bit comprising:

- a plurality of blades protruding from the drill bit;
- a plurality of flow channels stretching along the drill bit in substantially radial direction whereby the successive flow channels are formed between two adjacent blades;
- shear cutters which are provided in a row on or close to the leading edge of at least one of said blades with respect to the direction of rotary motion trailingly adjacent to the flow channel that is associated with it, for running a fluid throw and thereby removing cutting debris accumulating in front of the row of shear cutters; and in addition to these shear cutters;
- axial cutters which are located, with respect to the direction of rotary motion, in a trailing position with respect to said row of shear cutters and its associated flow channel.



No. of claims: 14 No. of figures: 5

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001345

[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011

Number of the Decision to Grant the Patent: 10/18542

Date of the Decision to Grant the Patent: 09/11/2010

[21] Application No.: GCC/P/2004/3508
[22] Filing Date:30/05/2004
[30] Priority:
[31] Priority No. [32] Priority date [33] State
03006015.6 18/03/2003 DE
[72] Inventor: Wassyl Nowicky
[73] Owner: Dipl-Ing DiDr, Wassyl Nowicky, Margaretarsse 7, A-1040, Vienna, Austria
[74] Agent: Ahmed N. Bazarbashe

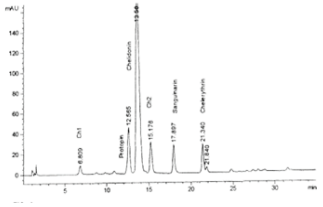
[51] Int. Cl.[7]: A61K 36/66;C07D 221/18, 221/22, 245/04
[56] Cited Documents:
- GB 2110533 A (NOWICKY W.) 22 June 1983
- US 4970212 A (NOWICKY) 13 November 1990
- GB 1304064 A (LOVSKY GOSUDARSTVENNY MEDITSINSKY INSTITUT) 24 January 1973
- FR 2366020 (NOWICKY W.) 28 April 1987
- KULKARNI B.K. et al., "Synthesis of Protopine, a Novel Conversion of the Protoberberine Alkaloid Stylopine to a Tetrahydrodibenz[c,g]azecine Derivative", J. Heterocyclic Chem., 27, Pages 623-626 (1990)

Examiner: Fahad Z. Almutairi

[54] QUATERNARY CHELIDONINE DERIVATIVES

[57] Abstract: The invention relates to alkaloid reaction products obtainable in a process wherein alkaloids are reacted with an alkylating agent, preferably thiotepa، whereafter unreacted alkylating agent and other water-soluble compounds are removed from the reaction mixture by washing with water or a suitable aqueous solvent, whereafter the reaction mixture is subjected to a treatment with strong acid, preferably hydrogen chloride (HCl), to precipitate a water soluble salt of the reaction products. The precipitated reaction products comprise at least one quaternary alkaloid derivative and are suitable as drugs 10 for prophylactic or therapeutic application, particularly in the treatment of immunological or metabolic dysfunctions, and cancer.

No. of claims: 15 **No. of figures: 9**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001346 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/17061** **Date of the Decision to Grant the Patent: 31/08/2010**
[21] Application No.: GCC/P/2004/3566 **[22] Filing Date:19 /06/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **03291517.5 20/06/2003 EP** **[72] Inventors:1- Dominic Mccann, 2- Rolf Hermann** **[73] Owner: Servicios De Perfilajes Electronicos S.A, Craigmuir Chambers, P. O. Box 71, Road Town, Tortola, British Virgin Islands** **[74] Agent: Nassir Ali Kadasa**	**[51] Int. Cl.[7]: E03B 3/32, 43/14, 43/30** **[56] Cited Documents:** **- US 3768555 A (LEVENS F) 30 October 1973** **- US 6412555 B1 (STOELEN EINAR et al.) 02 July 2002** **- GB 11112955 A (WILLIAM V KARR) 08 May 1968** **Examiner: Mohammad Ali Al-Jaffar**

[54] METHOD AND SYSTEM FOR STORING LIQUID IN A GEOLOGICAL FORMATION

[57] Abstract: A method for storing a liquid into a geological formation uses at least one well penetrating into the geological formation. The geological formation comprises at least one storage zone. A plurality of screens is provided, each screen being located alongside a wall of at least one well. Each screen respectively allows a flow of liquid between an associated storage zone in contact with the screen and the well on which the screen is located. The flow of liquid through each one of the plurality of screens is controlled according to parameters providing from a storage model of the geological formation. The storage model describing a behavior of each storage zone.

No. of claims: 25 **No. of figures: 11**

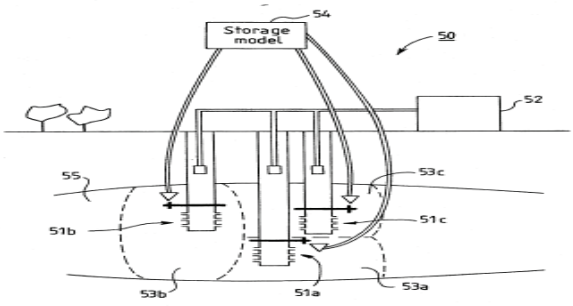


FIG.5

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

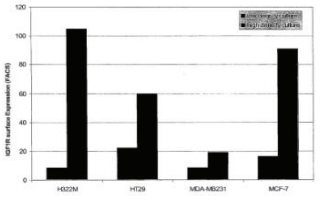
Corrected version **[12] Patent**

[11] Patent No.: GC 0001347 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/17513** **Date of the Decision to Grant the Patent: 03/09/2010**
[21] Application No.: GCC/P/2004/3620 **[22] Filing Date: 07/07/2004** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **03015526.1 10/04/2003 EP** **[72] Inventors:1- Yvo Graus, 2- Erhard Kopetzki, 3- Klaus-Peter Kuenkele, 4- Olaf Mundigl, 5- Paul Parren, 6- Frank Rebers, 7- Ralf Schumacher, 8- Jan Van De Winkel, 9- Martine Vriesema-Van Vugt** **[73] Owner: F. Hoffmann - La Roche AG,124 Grenzacherstrasse, CH-4070 Basle, Switzerland** **[74] Agent: Nassir Ali Kadasa**	**[51] Int. Cl.[7]: C12N 15/13, 5/16; A61K 39/395** **[56] Cited Documents:** **- WO 02/053596 A (GALLO MICHAEL; MILLER PENLOPE E (US); ABGENIX INC (US); COHEN BRU) 11 July 2002** **Examiner: Ibrahim Al-Malki**

[54] ANTIBODIES AGAINST INSULIN-LIKE GROWTH FACTOR I RECEPTOR AND USES THEREOF

[57] Abstract: An antibody binding to IGF-IR and inhibiting the binding of IGF-I and IGF-II to IGF-IR which is characterized in that said antibody is a) is of IgG1 isotype, b) shows a ratio of IC_{50} values of inhibition of the binding of IGF-I to IGF-IR to the inhibition of binding of IGF-II to IGF-IR of 1:3 to 3:1,c) inhibits for at least 80% at a concentration of 5 nM IGF-IR phosphorylation in a cellular phosphorylation assay using 3T3 cells providing 400,000 to 600,000 molecules IGF-IR per cell in a medium containing 0.5% heat inactivated fetal calf serum (FCS) when compared to such an assay without said antibody, and) shows no IGF-IR stimulating activity measured as IGF-IR phosphorylation at a concentration of10 µM in a cellular phosphorylation assay using 3T3 cells providing 400,000 to 600,000 molecules IGF-IR per cell in a medium containing 0.5% heat inactivated fetal calf serum (FCS) when compared to such an assay without said antibody has improved properties in antitumor therapy.

No. of claims: 18 **No. of figures: 15**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001371 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/18636** **Date of the Decision to Grant the Patent: 09/11/2010**
[21] Application No.: GCC/P/2005/4896 **[22] Filing Date:** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **60/587689 14/07/2004 US** **11/160,533 28/06/2005 US** **[72] Inventors: 1- Jean Seydoux, 2- Reza Taherian, 3- Emmanuel Legendre** **[73] Owner: Schlumberger Technology B.V., Parkstraat 83-89, 2514 JG, The Hauge, The Netherlands** **[74] Agent: Suleiman Ibrahim Al-Ammar**	**[51] Int. Cl.[7]: G01V 3/28** **[56] Cited Documents:** **- GB 2292460 A (WESTREN ATLAS INT INC) 21 February 1996** **- EP 120091 A (MACLEOD LABS INC) 12 April 1984** **- GB 2373056 A (ELECTROMAGNETIC INSTR INC et al.) 11 September 2002** **- GB 2355538 A (DEN NORSKE STATS OLJESELSKAP et al.) 25 April 2001** **Examiner: Mohammad Ali Al-Jaffar**

[54] APPARATUD AND SYSTEM FOR WELL PLACEMENT RESERVOIR CHARACTERIZATION

[57] Abstract: A **resistivity array having a modular design includes a transmitter module with at least one antenna, wherein the transmitter module has connectors on both ends adapted to connect with other downhole tools; and a receiver module with at least one antenna, wherein the transmitter module has connectors on both ends adapted to connect with other downhole tools; and wherein the transmitter module and the receiver module are spaced apart on a drill string and separated by at least one downhole tool. Each transmitter and receiver module may comprise at least one antenna coil with a magnetic moment orientation not limited to the tool longitudinal direction. A spacing between the transmitter and receiver module may be selected based on expected reservoir thickness.**

No. of claims: 23 **No. of figures: 11**

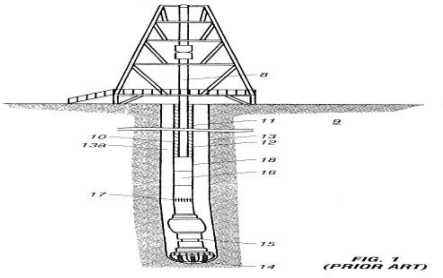


FIG. 1 (PRIOR ART)

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version

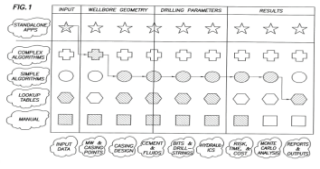
[12] Patent

[11] Patent No.: GC 0001372 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/14590** **Date of the Decision to Grant the Patent: 29/05/2010**
[21] Application No.: GCC/P/2005/4920 **[22] Filing Date:20 /07/2005** **[72] Inventor : 1- Kris Givens, 2- Daan Veeningen** **[73] Owner: Schlumberger Holdings Limited, P.O. Box 71, Craigmuir Chambers, Road Town, Tortola, British Virgin Island** **[74] Agent: Suleiman Ibrahim Al-Ammar**	**[51] Int. Cl.[7]:G06F 19/00** **[56] Cited Documents:** **- US 6612382 B2 (KING et al.) 02 September 2003** **- US 20020099586 A1 (BLADEN et al.) 25 July 2002** **- US 20030088446 A1 (PHELPS et al.) 08 May 2003** **- US 20040002929 A1 (KIM et al.) 01 January 2004** **Examiner: Mohammad Ali Al-Jaffar**

[54] METHOD AND APPARATUS AND PROGRAM STORAGE DEVICE ADAPTED FOR AUTOMATIC QUALITATIVE AND QUANTITATIVE RISK ASSESSMENT BASED ON TECHNICAL WELLBORE DESIGN AND EARTH PROPERTIES

[57]Abstract: A Software System, known as an Automatic Well Planning Risk Assessment Software System, is adapted to determine and display risk information in response to a plurality of input data by: receiving the plurality of input data, the input data including a plurality of input data calculation results; comparing each calculation result of the plurality of input data calculation results with each logical expression of a plurality of logical expressions; ranking by the logical expression the calculation result; and generating a plurality of ranked risk values in response thereto, each of the plurality of ranked risk values representing an input data calculation result that has been ranked by the logical expression as either a high risk or a medium risk or a low risk; generating the risk information in response to the plurality of ranked risk values; and displaying the risk information.

No. of claims: 70 **No. of figures: 11**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

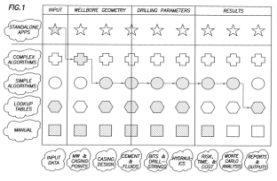
Corrected version [12] **Patent**

[11] Patent No.: GC 0001373 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/14592** **Date of the Decision to Grant the Patent: 29/05/2010**
[21] Application No.: GCC/P/2005/4953 **[22] Filing Date:26 /07/2005** **[72] Inventors : 1- Daan Veeningen, 2- Kris Givens** **[73] Owner: Schlumberger Holdings Limited, P.O.Box 71, Craigmuir Chambers, Road Town, Tortola, British Virgin Island** **[74] Agent: Suleiman Ibrahim Al-Ammar**	**[51] Int. Cl.[7]:G01V 1/40** **[56] Cited Documents:** **- US 6612382 B2 (KING et al.) 02 September 2003** **- US 5696907 A (GEN ELECTRIC) 09 December 1997** **- US 20040002929 A1 (MICROSOFT CORP) 01 January 2004** **- US 5611052 A (GOLDEN 1 CREDIT UNION) 11 March 1997** **Examiner: Mohammad Ali Al-Jaffar**

[54] METHOD AND APPARATUS AND PROGRAM STORAGE DEVICE ADAPTED FOR VISUALIZATION OF QUALITATIVE AND QUANTITATIVE RISK ASSESSMENT BASED ON TECHNICAL WELLBORE DESIGN AND EARTH PROPERTIES

[57]Abstract: A method is disclosed for determining and displaying risk information in response to a plurality of input data, the input data including a plurality of input data calculation results, comprising the steps of: comparing each calculation result of the plurality of input data calculation results of the input data with each logical expression of a plurality of logical expressions; ranking by the logical expression the calculation result; and generating a plurality of ranked individual risks in response to the ranking step, each of the plurality of ranked individual risks representing an input data calculation result that has been ranked by the logical expression as having either a high risk severity or a medium risk severity of a low risk severity; generating the risk information in response to the plurality of ranked individual risks; and displaying the risk information, the displaying step including displaying the risk information on a risk information display.

No. of claims: 43 No. of figures: 17



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

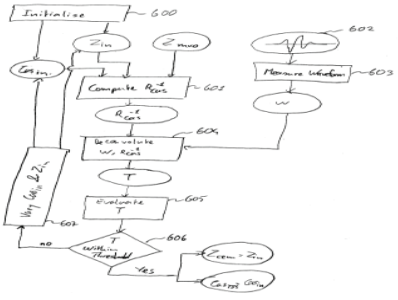
Corrected version **[12] Patent**

[11] Patent No.: GC 0001382 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent:10/18510** **Date of the Decision to Grant the Patent:31/08/2010**
[21] Application No.: GCC/P/2005/5156 **[22] Filing Date:13/09/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **04292183.3 13/09/2004 EP** **[72] Inventors : 1-Benoit Froelich , 2-Emmanuel Legendre** **[73] Owner: Schlumberger Technology BV , Netherlands, 83-89, The Hague, 2514 JG, Netherlands** **[74] Agent: Suleiman Ibrahim Al-Ammar**	**[51] Int. Cl.[7]: G01V 1/48** **[56] Cited Documents:** **- US 6041861 A (HALLIBURTON ENERGY SERVICES INC) 28March 2000** **- US 5274604 A (SCHLUMBERGER CANADA LTD) 28 December 1993** **- US 5784333 A (WESTERN ATLAS INT INC) 21 July 1998** **- US 4709357 A (GEARHART IND INC) 24 November 1987** **Examiner: Mohammad Ali Al-Jaffar**

[54] A NEW PROCESSING FOR INVERSION OF CEMENT IMPEDANCE FROM USI WAVEFORMS

[57]Abstract: A method for estimating an impedance of a material behind a casing Wall in a borehole, the method comprises exciting (602) the casing Wall with an acoustic pulse, and measuring (603) an experimental acoustic Waveform (W) reflected from the casing Wall. The method further comprises initializing (600) an impedance parameter (Zin), computing (60l) an inverse casing response (R_{cas}^{-1}) as a function of the impedance parameter, and deconvoluting (604) the experimental acoustic Waveform with the inverse casing response to obtain a transducer response (T). An iterative loop (605, 606, 607) is performed, comprising the computing of an inverse casing response and the deconvoluting of the experimental acoustic waveform by varying (607) the impedance parameter until the transducer response becomes compact (605, 606) in the time domain. The estimated impedance (Zcem) is obtained (606) from the impedance parameter when the transducer response is compact.

No. of claims: 5 **No. of figures: 9**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

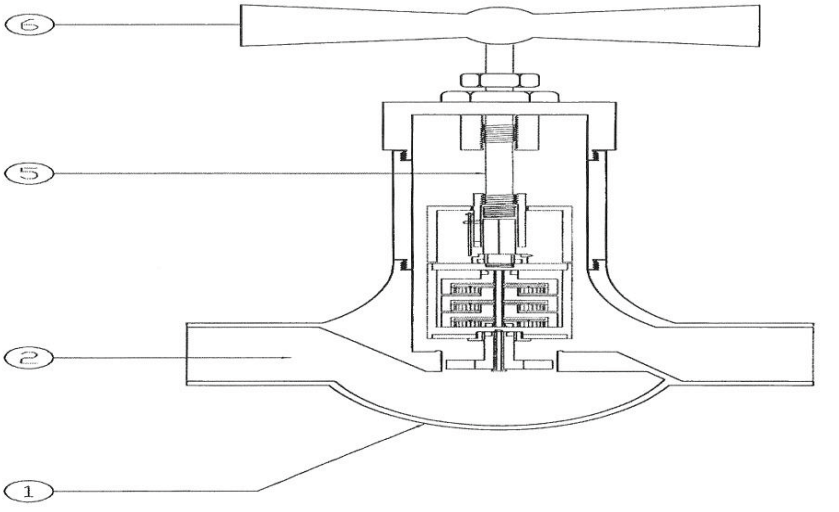
Corrected version **[12] Patent**

[11] Patent No.: GC 0001385 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/17798** **Date of the Decision to Grant the Patent: 27/09/2010**
[21] Application No.: GCC/P/2005/5197 **[22] Filing Date: 21/09/2005** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **2004/000039 05/10/2004 EG** **[72] Inventor: Mohamed Radwan Rafaat Atassi** **[73] Owner: Mohamed Radwan Rafaat Atassi, Riyadh, KSA**	**[51] Int. Cl.[7]: F16K 21/16** **[56] Cited Documents:** **- US 4202467 A (RUTTEN et al.) 13 June 1980** **- GB 2138541 A (KITAMURAGOKIN IND CO LTD) 24 October 1984** **Examiner: Mohammad Ali Al-Jaffar**

[54] SMART VOLUMETRIC VALVE

[57] Abstract: The invention relates to adding to a hydraulic valve, the characteristic of a metering valve which shut down automatic when a certain amount of liquid has passed through the valve. In this case the valve remain to open and close manually for unlimited number of time as long as the quality of the liquid passed each time is less than the 5 preset amount. This valve has a water wheel(15) which is rotate by the liquid and which drives a disk (33) (33) via a gear train (24). If the flowing amount exceeds a preset limit, disk (33) operates rachet (40) and spring (39) acting on rod (37) in closing direction shuts down the valve.

No. of claims: 5 **No. of figures: 8**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001403

[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011

Number of the Decision to Grant the Patent: 10/17448

Date of the Decision to Grant the Patent: 03/09/2010

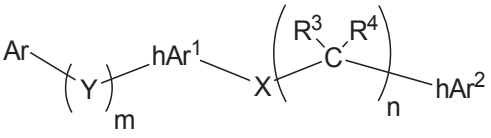
[21] Application No.: GCC/P/2006/5771
[22] Filing Date: 04/02/2006
[30] Priority:
[31] Priority No. [32] Priority date [33] State
60/650.029 04/02/2005 US
[72] Inventors: 1- Rhondi Shigemura, 2- Xiao-Qing Tang, 3- Claudia Averbuj, 4- Rachel D. A. Kimmich, 5- Chad Priest, 6- Catherine Tachdjian, 7- Qing Chen, 8- Sara L. Adamski Werner, 9- Marketa Lebl-Rinnova, 10- Vincent Darmohusodo, 11- Marketa Lebl-Rinnova, 12- David Wallace
[73] Owner: Senomyx Inc., Nexus Centre 4767 , Drive, San Diego, California 92037, USA
[74] Agent: Suleiman Ibrahim Al-Ammar

[51] Int. Cl.[7]: A23L 1/226, 1/231; C07D 401/12, 405/14
[56] Cited Documents:
- EP 0413162 A (BASF K & F CORPORATION; GIVAUDAN-ROURE S.A) 20 February 1991
- WO 2004/026840 A (UNILEVER PLC; UNILEVER NV; HINDUSTAN LEVER LIMITED) 14 April 2004
- WO 01/35768 A (J. MANHEIMER, INC) 25 May 2001

Examiner: Ahmed A. Al-Qaranais

[54] COMPOUNDS COMPRISING LINKED HETEROARYL MOIETIES AND THEIR USE AS NOVEL UMAMI FLAVOR MODIFIERS, TASTANTS AND TASTE ENHANCERS FOR COMESTIBLE COMPOSITIONS

[57] Abstract: The inventions disclosed herein relate to the discovery of the use of compounds having the formula shown below:



as flavor or taste modifiers, particularly, savory ("umami") taste modifiers, savory flavoring agent and savory flavor enhancers in foods, beverages, and other comestible compositions.

No. of claims: 109

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001415 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/4588** **Date of the Decision to Grant the Patent: 29/05/2010**
[21] Application No.: GCC/P/2006/5927 **[22] Filing Date: 07/03/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **11/073,984 07/03/2005 US** **[72] Inventors :1- Thomas Geehan, 2- Quanxin Guo** **[73] Owner: M-I L.L.C., 5950 North Course Drive, Houston, Texas 77072, USA** **[74] Agent: Suleiman Ibrahim Al-Ammar**	**[51] Int. Cl.[7]: E21B41/00; E21B21/06** **[56] Cited Documents:** **- US 6002063 A (BILAK et al.) 14 December 1999** **- US 2002/033278 A1 (REDDOCH JEFFREY) 21 March 2002** **- US 5133624 A (CAHILL et al.) 28 July 1992** **Examiner: Mohammad Ali Al-Jaffar**

[54] METHOD AND APPARATUS FOR SLURRY AND OPERATION DESIGN IN CUTTINGS RE-INJECTION

[57]Abstract: A method for simulating cuttings re-injection in a wellbore, that includes defining a mass balance equation for a solids bed, defining a mass balance equation for a suspension solids, segmenting the wellbore into a plurality of elements, wherein each element includes a plurality of nodes, segmenting a simulation into a plurality of time intervals, and for each the plurality of time intervals: simulating cuttings re-injection by solving the mass balance equation for the solids bed and the mass balance equation for the suspension solids for each of the plurality of nodes.

No. of claims: 22 **No. of figures: 5**

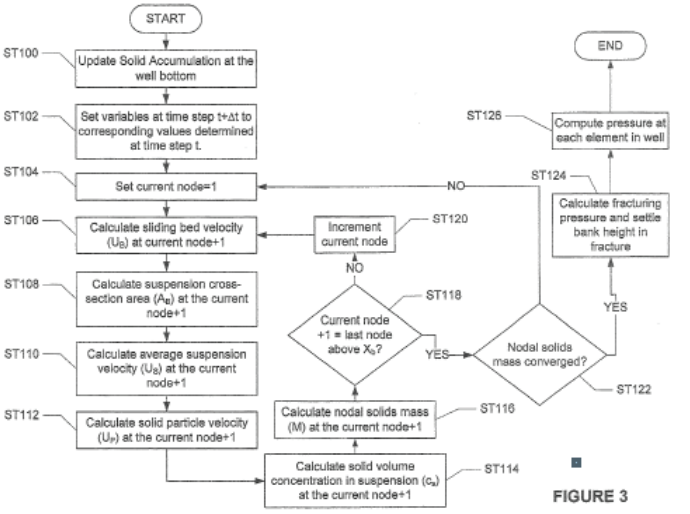


FIGURE 3

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001428 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/19542** **Date of the Decision to Grant the Patent: 06/12/2010**
[21] Application No.: GCC/P/2006/6264 **[22] Filing Date:17 /05/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **RM2005A00024 17/05/2005 IT** **[72] Inventors : 1- De Ambroggi Renato, 2- Calderara Ennio, 3- Fabrizi Fabrizio** **[73] Owner: Bticino S.p.A., Via Messina, 38, I 20154, Milano, Italy** **[74] Agent: Ahmad N. Bazar Bashi**	**Int. Cl.[7]: H02G 3/18** **[56] Cited Documents:** **- US 4485282 A (LEE et al.) 27 November 1984** **- EP 0989648 A (VIMAR S.R.L; VIMAR SPA) 29 March 2000** **- EP 0905844 A (ABB PATENT GMBH) 31 March 1999** **- FR 2856202 A (LEGRAND; LEGRAND SNC) 17 December 2004** **Examiner: Fahad M. al-Baker**

[54] SUPPORTING FRAME FOR WALL-AMOUNTING OF ELECTRICAL APPARATUS

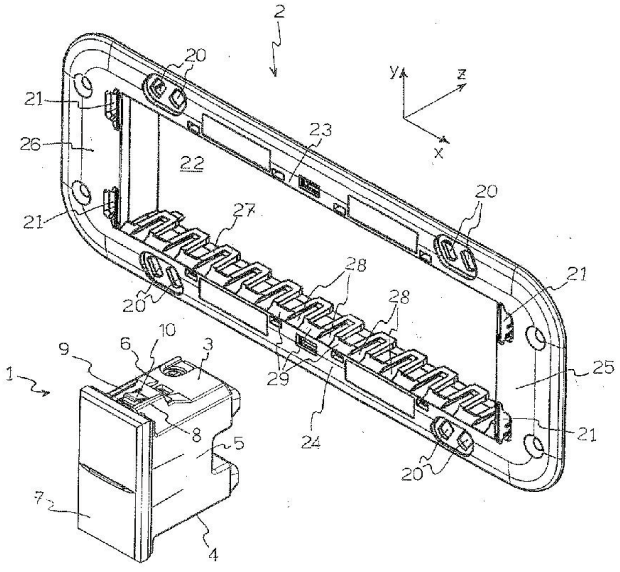
[57]Abstract: Electrical apparatus (1) that can be fixed to a supporting frame (2) provided with a mounting window (22) suitable to receive said electrical apparatus (1), the electrical apparatus (1) comprising:

- a main body having a substantially box-like shape; and

- first fixing elements (8, 9, l0) provided on a first (3) and a second (4) opposite side of said box-like body to engage with corresponding second fixing elements (27, 28, 29) provided on said frame (2) and facing said mounting window (22). The first fixing elements (8, 9, 10) of the electrical apparatus (1) include:

- guiding fixing elements (8, 9) such as to permit axial and guided sliding of said electrical apparatus (1) respect to said frame (2) in inserting said apparatus (1) into said mounting window (22);

- Snap-in fixing elements (10) suitable to block said axial sliding of said electrical apparatus (1) respect to said frame (2) once a predetermined snap-in position has been reached.



No. of claims: 10 **No. of figures: 5**

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001429

[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011

Number of the Decision to Grant the Patent: 10/18598

Date of the Decision to Grant the Patent: 09/11/2010

[21] Application No.: GCC/P/2006/6413
[22] Filing Date: 13/06/2006
[30] Priority:
[31] Priority No. [32] Priority date [33] State
20051002760.8 14/06/2005 DE
[72] Inventors: 1- Gronsfeld, Peter Josef, 2- Dr. Heinz Vogt, 3- Schmidt, Klaus
[73] Owners: 1- Mulheim Pipe coatings GmbH, Friedrich-Ebert-Str. 154, Germany 2- Basell Polyolefine GmbH, Brühler Strasse, Germany
[74] Agent: Suleiman Ibrahim Al-Ammar

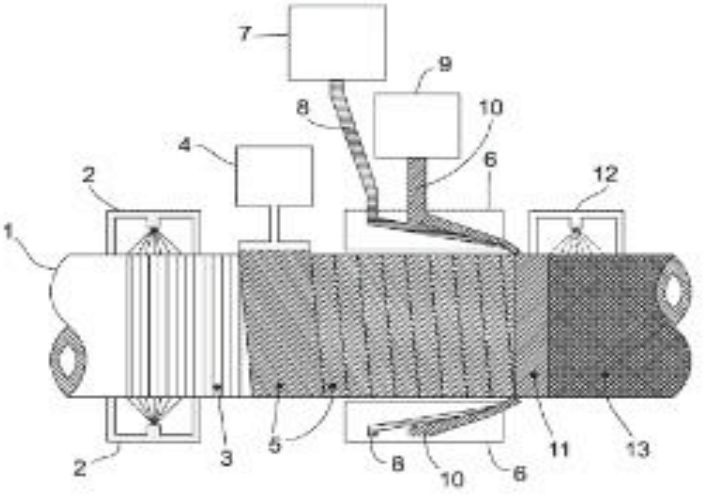
[51] Int. Cl.[7]: B05D 7/14
[56] Cited Documents:
- US 4990383 (NESTE OY) 05 February 1991

Examiner: Abdullah Al-Khateeb

[54] MULTILAYERED POLYMERIC CORROSION PROTECTION COATING WITH IMPROVED PROPERTIES

[57] Abstract: The invention relates to a coating and to a method for coating exterior surfaces. The invention especially relates to a method for coating the exterior surfaces of pipes with a polymer that is cross-linked when exposed to water.

No. of claims: 14 **No. of figures: 3**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001436

[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011

Number of the Decision to Grant the Patent: 10/14427

Date of the Decision to Grant the Patent: 23/05/2010

[21] Application No.: GCC/P/2006/6823
[22] Filing Date:29/08/2006
[30] Priority:
[31] Priority No. [32] Priority date [33] State
60/712,539 30/08/2005 US
[72] Inventors:1- Savithri Ramurthy, 2- Sharadha Subramanian, 3- Paul A. Renhowe, 4- Christopher Mcbride, 5- Jeffrey H. Dove, 6- Cynthia Shafer, 7- Teresa E. Pick, 8- Daniel J. Poon, 9- Payman Amiri, 10- Darrin Stuart, 11- Barry Haskell Levine, 12- Mina E. Aikawa
[73] Owner: Novartis AG, Lichstrasse 35, CH-4056, Basel, Switzerland
[74] Agent: Suleiman Ibrahim. Al-Ammar

[51] Int. Cl.[7]: C07D 401/14; A61K 31/435
[56] Cited Documents:
- US 2004/087626 A1 (RENHOWE PAUL A [US] et al., RENHOWE PAUL A [US] et al.) 06 May 2004

Examiner: Nada Albehiji

[54] SUBSTITUTED BENZIMIDAZOLES AND METHODS OF THEIR USE AS INHIBITORS OF KINASES ASSOCIATED WITH TUMORIGENESIS

[57] Abstract : New substituted benzimidazole compounds, compositions, and methods of inhibition of kinase activity associated with tumorigenesis in a human or animal subject are provided. In certain embodiments, the compounds and compositions are effective to inhibit the activity of at least one serine/threonine kinase or receptor tyrosine kinase. The new compounds and compositions may be used either alone or in combination with at least one additional agent for the treatment of a serine/threonine kinase- or receptor tyrosine kinase-mediated disorder, such as cancer.

No. of claims: 25

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

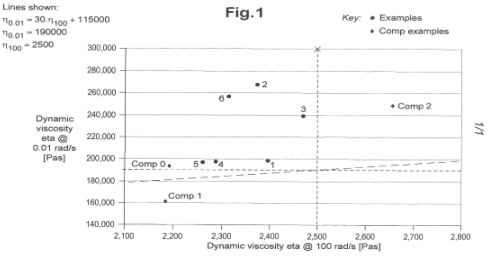
Corrected version **[12] Patent**

[11] Patent No.: GC 0001441 **[45] Date of Publishing the Grant of the Patent:** **31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/17433** **Date of the Decision to Grant the Patent: 03/09/2010**
[21] Application No.: GCC/P/2006/6854 **[22] Filing Date:05/09/2006** **[30] Priority:** **[31] Priority No. [32] Priority date [33] State** **05255418.5 05/09/2005 EP** **[72] Inventors:1- JAN, Dominique, 2- SIBERDT, Fabian, 3- AMEYE, Thomas F.** **[73] Owner: Ineos Manufacturing Belgium NV, Scheldelaan 482- Belgium** **[74] Agent: Suleiman Ibrahim Al-Ammar**	**[51] Int. Cl.[7]: C08F 10/02, 297/08; C08L 23/08** **[56] Cited Documents:** **- EP 1201713 A (ATOFINA RESEARCH; SOLVAY POLYLEFINS EUROPE-BELGIUM) 02 May 2002** **- EP 1201711 A (ATOFINA RESEARCH; SOLVAY POLYLEFINS EUROPE-BELGIUM) 02 May 2002** **- WO 02/102891 A (SOLVAY POLYOLEFINS EUORPE-BELGIUM; MATTIOLI, VIRGINIE; SIBERDT, FABIA) 27 December 2002** **- EP 0739909 A (SOLVAY POLYOLEFINS EUORPE-BELGIUM) 30 October 1996** **- EP 0603935 A (SOLVAY POLYOLEFINS EUORPE1-BELGIUM) 29 June 1994** **- EP 1359192 A (SOLVAY [BE]) 05 November 2003** **Examiner: Fahad Z. Al-Mutairi**

[54] POLYETHYLENE COMPOUNDS COMPRISING RESINS FOR THE MANUFACTURE OF PIPE FITTINGS.

[57]Abstract:A composition suitable for use in pressure pipes and pipe fittings is disclosed comprising polymer of ethylene and from 0.5 to 5 wt% of a C4-C3 a1pha~o1efin which has a natural density of 935~956 kg/m3, a melt index M15 of 0.15 - 0.5 g/10min, a dynamic complex viscosity at 1.00 rad/s and 190°C (11100) of no more than 2500 Pa.s, a relationship between moo and dynamic complex viscosity measured in Pa.s at 0.01 rad/s and 190°C T|0_01), defined by the equation now > 115000 + 30. moo, and an environmental stress crack) resistance as measured by a notched pipe test performed according to ISOI3479: 1997 on :mm SDR 11 pipes at 80°C and a pressure of 9.2 bar, of greater than 1000 hours, or wherein the C4~Cg alpha-olefin is 1-hexene or 1-octene.

No. of claims:15 **No. of figures:1**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

Corrected version **[12] Patent**

[11] Patent No.: GC 0001445 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/14544** **Date of the Decision to Grant the Patent: 23/05/2010**
[21] Application No.: GCC/P/2006/6928 **[22] Filing Date:17 /09/2006** **[72] Inventors : Ahmed Ibraheem Mubarek AL-mubrd** **[73] Owner: Ahmed Ibraheem Mubarek AL-Mubrd, Po Box 22469 Riyadh 11495 Kingdom of Saudi Arabia**	**[51] Int. Cl.[7]: A47K 3/28; A47K 7/00** **[56] Cited Documents:** **- CN 2053494U(HE,JINXIANG) 28 February 1990** **- KR 20040087393 A (SEO YOUNG DAE) 14 October 2004** **- CN 1034485 A (ZHAO,NAN) 09 August 1989** **- US 2008141453 A1 (HOCHENG CORP) 19 June 2008** **Examiner: Fahad al-Baker**

[54] AUTOMATIC INTEGRATED WUDUW RING

[57]Abstract: The invention of the Automatic Integrated Ablution Ring is related to the use of Nozzles with very low discharge of water for washing human organs in ablution process. The nozzles are installed inside upper and lower cylindrical rings . The cylindrical rings are open to below and fitted vertically above each inside free stand box to be suitable for washing organs of the human body in case of standing or seating of human performing condition as illustrated in figs (1 , 7).

No. of claims: 7 **No. of figures: 9**

Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.

(19) pATENT OFFICE OF THE COOPERATION COUNCL FOR THE ARAB STATES OF THE GULF

(19) مكتب براءات الاختراع لمجلس التعاون لدول الخليج العربية

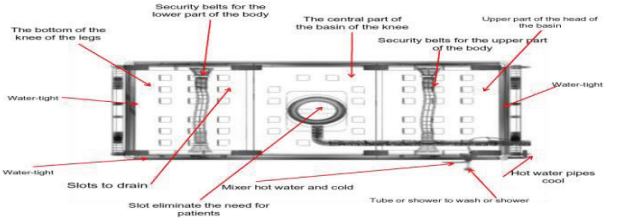
Corrected version **[12] Patent**

[11] Patent No.: GC 0001479 **[45] Date of Publishing the Grant of the Patent: 31/03/2011 15/2011**	**Number of the Decision to Grant the Patent: 10/17989** **Date of the Decision to Grant the Patent: 23/10/2010**
[21] Application No.: GCC/P/2009/12658 **[22] Filing Date: 14/09/2009** **[72] Inventor: AbdulRahman Othman Mutlag Alhussein** **[73] Owner: AbdulRahman Othman Mutlag Alhussein, P. O. Box 152486, Riyadh 11797, Kingdom of Saudi Arabia**	**[51] Int. Cl.[7]: A61G 7/012, 7/02, 7/002** **[56] Cited Documents:** **- KR 20080101508 A (GA CONSTRUCTION CO LTD [KR]) 21 November 2008** **- JP 2005073840 A (SHINKO OYO KAKO KK) 24 March 2005** **Examiner: Mousab Ahmed AlFadhala**

[54] MEDICAL BED WITH SPECIAL EQUIPMENT

[57] Abstract: The technical problem in existing medical beds is that they do not provide full comfort for patients, especially those who need very precise care. Such patients might be banned from excess movement that may affect their health, or old in age such that it is difficult for their companions to take them to or from toilet or bathroom. In addition, leaving an aged patient alone in the bathroom is not recommended for the fear of falling down and causing concussion or breaks in his/her organs or limbs.. The design of this medical bed has an advantage over other medical beds in that it enables its user (the patient) to rest from several aspects. The bed is provided with a toilet basin (English or western type) that can be moved manually (by hand) or electrically according to factory's and customer's option. The toilet basin is connected to sewerage to increase sanitation and cleanliness of the site in which the bed is placed. The bed has several openings for draining sewerage water scattered under the mattress along the bed. The bed is also equipped with safety belts, either adhesive or wrapped around the patient when necessary in case he/she cannot control the movement of his/her body. The bed is equipped with a flexible water hose that helps cleaning the patient. The hose can reach to anywhere in the bed, and is connected to hot and cold water pipes to control the temperature of water as needed. The bed is equipped with side bumpers to ensure that water remains and goes to sewerage without wetting the room.

No. of claims: 14 **No. of figures: 16**



Note: Any interested individual may, within 3 months of publication of the grant, file objection thereof with the Grievance Committee after payment of grievance fees.