

Diego Gonzalez

Search history

Search 1: STAC=(metal and Hot and press* and form* and cool* and robot) (Results 40)

Search 2: stac=(metal and hot and press* and form* and cool* and robot) (Results 40)

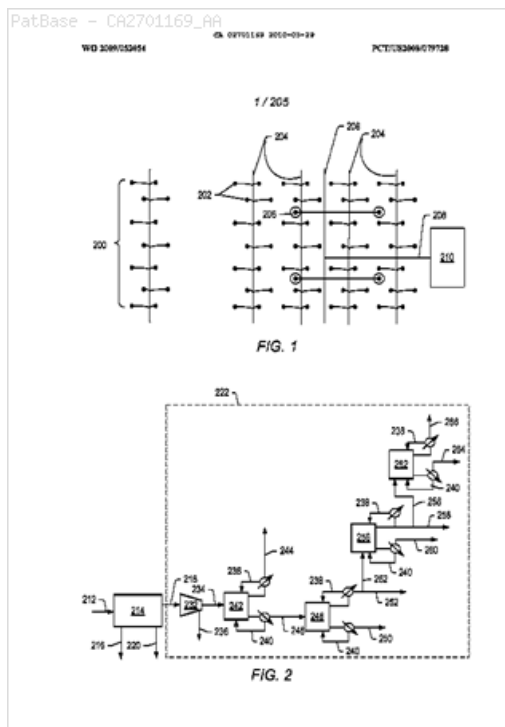
Search 3: stac=(metal and hot and press* and form* and cool* and robot and liquid) (Results 21)

Title: SYSTEMS, METHODS, AND PROCESSES UTILIZED FOR TREATING SUBSURFACE FORMATIONS

Abstract: Systems, methods, and/or heaters for treating a subsurface formation are described herein. Some embodiments also generally relate to heaters that have novel components therein. Such heaters may be obtained by using the systems and methods described.

Classifications:

International (IPC 8-9): E21B44/00 E21B47/022 E21B7/04
E21C25/04 (Advanced/Invention);
E21B44/00 E21B47/02 E21B7/04 E21C25/00 (Core/Invention)
CPC: E21B43/2401 Y10T29/49083 E21B7/04 E21B44/00
E21B47/02216 H01F29/04 E21B43/24 H01F27/38 H01J37/32926
H01J37/32935 E21B36/04 E21B43/30
European: E21B43/24 E21B7/04 H01F29/04 H01J37/32S2
H01J37/32S4 T01F27/38



Family:

Publication number	Publication date	Application number	Application date
AU2008312713 AA	20090423	AU20080312713	20081013
AU2008312713 BB	20120614	AU20080312713	20081013
AU2012203096 AA	20120614	AU20120203096	20120525
AU2012203096 BB	20141113	AU20120203096	20120525
CA2701169 AA	20090423	CA20082701169	20081013
GB201004134 A0	20100428	GB20100004134	20081013
GB2465911 A1	20100609	GB20100004134	20081013

Priority:

US20070999839P 20071019 US20080046329P 20080418 AU20080312713 20081013
WO2008US79728 20081013 AU20120203096 20120525

Probable Assignee: SHELL INT RESEARCH

Assignee(s): (std): SHELL INT RESEARCH

Assignee(s): SHELL INT RESEARCH MIJ BV ; SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B V

Inventor(s): (std): ERNESTO RAPHAEL ; FONSECA OCAMPOS ; XIE XUEYING ; VINEGAR HAROLD J ; VENDITTO JAMES JOSEPH ; STANECKI JOHN ANDREW ; SON JAIME SANTOS ; SHEN CHONGHUI ; SANDBERG CHESTER LEDLIE ; SANBERG CHESTER LEDLIE ; RYAN ROBERT CHARLES ; UWECHUE UZO PHILLIP ; ROES AUGUSTINUS WILHELMUS MARIA ; RENKEMA DUURT ; RAGHU DAMODARAN ; PRINCE WRIGHT ROBERT GEORGE ; PATNI SANDEEP ; OCAMPOS ERNESTO RAPHAEL FONSECA ; NGUYEN SCOTT VINH ; NAIR VIJAY ; MUYLLE MICHEL SERGE MARIE ; MO WEIJIAN ; MO WEIJIAN ; MILLER DAVID ALSTON ; MCKINZIE BILLY JOHN II ; MASON STANLEY LEROY ; MARWEDE JOCHEN ; MANSURE ARTHUR JAMES ; MANSURE ARTHUR J ; MACDONALD DUNCAN CHARLES ; LINEY DAVID JOHN ; LI BUSHENG ; KIM DONG SUB ; KARANIKAS JOHN MICHAEL ; JYE HORNG ; FOWLER THOMAS DAVID ; EDBURY DAVID ALSTON ; HWANG HORNG JYE JAY ; HARVEY ALBERT DESTREHAN III ; HARRIS CHRISTOPHER KELVIN ; CRUZ ANTONIO MARIA GUIMARAES LEITE ; CRUZ ANTONIO MARIA GUIMARAES ; COSTELLO MICHAEL SCOTT ; CARROLL MARK THOMAS ; CARDINAL PAUL GREGORY ; CAO RENFANG RICHARD ; BURNS DAVID BOOTH ; BRAVO JOSE LUIS ; BOESTERT JOHANNES LEENDERT WILLEM CORNELIS DEN ; BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; ARORA DHRUV ; MCKINZIE II BILLY JOHN ; BEER GARY LEE ; BASS RONALD J ; AYODELE OLUROPO RUFUS ; GUIMERANS ROSALVINA RAMONA ; HARVEY III ALBERT DESTREHAN ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; FONSECA OCAMPOS ERNESTO RAPHAEL

Inventor(s): ERNESTO RAPHAEL FONSECA OCAMPOS ; CHONGHUI SHEN ; BUSHENG LI ; AUGUSTINUS WILHELMUS MARIA ROES ; ARTHUR JAMES MANSURE ; ANTONIO MARIA GUIMARAES LEITE CRUZ ; ALBERT DESTREHAN HARVEY III ; HARVEY ALBERT DESTREHAN ; GARY LEE BEER ; ARTHUR J MANSURE ; MCKINZIE BILLY JOHN ; MARK THOMAS CARROLL ; JOHN MICHAEL KARANIKAS ; JOHANNES LEENDERT WILLEM CORNELIS DEN BOESTERT ; JOCHEN MARWEDE ; JAMES JOSEPH VENDITTO ; HORNG JYE JAY HWANG ; ANTONIO MARIA GUIMARAES CRUZ ; XUEYING XIE ; SCOTT VINH NGUYEN ; ROBERT GEORGE PRINCE WRIGHT ; RENFANG RICHARD CAO ; PAUL GREGORY CARDINAL ; MICHAEL SCOTT COSTELLO ; BILLY JOHN MCKINZIE II ; BILLY JOHN II MCKINZIE ; CHRISTOPHER KELVIN HARRIS ; CHESTER LEDLIE SANDBERG ; CHESTER LEDLIE SANBERG ; HAROLD J VINEGAR ; HORNG JYE ; DUURT RENKEMA ; DUNCAN CHARLES MACDONALD ; DONG SUB KIM ; DHRUV ARORA ; DAVID SCOTT MILLER ; DAVID JOHN LINEY ; DAVID BOOTH BURNS ; DAVID ALSTON EDBURY ; DAMODARAN RAGHU ; JOSE LUIS BRAVO ; JOHN ANDREW STANECKI ; JOHANNES LEENDERT WILLEM CORNELIS BOESTERT ; JAIME SANTOS SON ; MICHEL SERGE MARIE MUYLLE ; OLUROPO RUFUS AYODELE ; ROBERT CHARLES RYAN ; THOMAS DAVID FOWLER ; STANLEY LEROY MASON ; ROSALVINA RAMONA GUIMERANS ; RONALD J BASS ; SANDEEP PATNI ; UZO PHILLIP UWECHUE ; VIJAY NAIR ; WEIJIAN MO ; WEIJIAN MO

Agent(s): SPRUSON AND FERGUSON

Title: RING-FUSED BICYCLIC PYRIDYL DERIVATIVES AS FGFR4 INHIBITORS

Abstract: The present invention provides a compound of **formula (I)** or a pharmaceutically acceptable salt thereof; a method for manufacturing said compound, and its therapeutic uses. The present invention further provides a combination of pharmacologically active agents and a pharmaceutical composition comprising said compound.

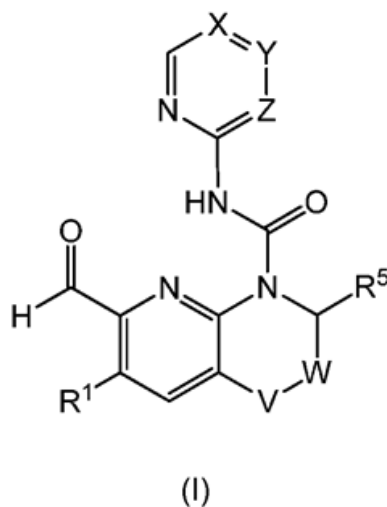
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International (IPC 8-9): A61K A61K31/4353 A61K31/437 A61K31/4375 A61K31/438 A61K31/4427 A61K31/444 A61K31/4545 A61K31/496 A61K31/497 A61K31/501 A61K31/506 A61K31/5377 A61K31/5383 A61K31/541 A61K31/55 A61P A61P35/00 A61P43/00 C07D C07D207/12 C07D211/44 C07D211/48 C07D265/30 C07D305/04 C07D307/04 C07D309/02 C07D309/16 C07D471/04 C07D471/10 C07D498/04 C07D519/00 (Advanced/Invention); A61K A61P C07D (Subclass/Invention)

CPC: C07D471/04 A61K31/444 C07D498/04 A61K31/497 C07D519/00 A61K31/541 A61K31/55 A61K31/4545 A61K31/496 A61K31/506 A61K31/5377 A61K31/5383 A61K31/4375

US: 1/1 514/215 514/228.2 514/230.5 514/234.5 514/253.04 514/255.05 514/256 514/269 514/275 514/278 514/300 540/580 544/105 544/127 544/319 544/324 544/331 544/333 544/362 544/405 544/58.2 546/122 546/16

PatBase - W016054483_R1



Family:

Publication number	Publication date	Application number	Application date
AP201609156 A0	20160430	AP20160009156	20141024
AR098145 AA	20160504	AR2014P103960	20141022
AU2014338549 AA	20150430	AU20140338549	20141024
AU2014338549 AH	20160421	AU20140338549	20141024
AU2014338549 BB	20170525	AU20140338549	20141024
BR112016008276 A2	20170801	BR20161108276	20141024
CA2927252 AA	20160412	CA20142927252	20141024
CL2016000922 A1	20170127	CL20160000922	20160418
CN105683188 A	20160615	CN201480058545	20141024
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CO16105029 A2	20170428	CO20160105029	20160425
CR20160191 A	20160701	CR20160000191	20160425
DOP2016000094 A	20160715	DO20160000094	20160425
EA028819 B1	20180131	EA20160090848	20141024
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EP3200786 A1	20170809	EP20150781518	20151002
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HK1222388 A1	20170630	HK20160110458	20160902
ID201709508 A	20170901	ID2016P0002422	20141024
IL244819 A0	20160531	IL20140244819	20141024
IN201617012188 A	20160826	IN201617012188	20160406
JP2016534072 T2	20161104	JP20160525920T	20141024
JP2017214411 A2	20171207	JP20170138017	20170714
JP2017530154 T2	20171012	JP20170517705T	20151002
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KR101862493 B1	20180529	KR20167013518	20141024
KR20160075644 A	20160629	KR20167013518	20141024
MA39054 A1	20180228	MA20140039054	20141024
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SV2016005186 A	20161121	SV20160005186	20160425
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ZA201602021 A	20180131	ZA20160002021	20160323

Priority:

CN20013086003	20131025	WO2013CN086003	20131025	CN20014088094	20141003
WO2014CN088094	20141003	US20140522721	20141024	JP20160525920T	20141024
WO2014IB65585	20141024	WO2015US53677	20151002	US20150972984	20151217
US20160357195	20161121	JP20170138017	20170714		

Probable Assignee: NOVARTIS AG

Assignee(s): (std): BUSCHMANN NICOLE ; FAIRHURST ROBIN ALEC ; FURET PASCAL ; GRAUS PORTA DIANA ; HAEFLIGER CAROLINA ; NIMSGERN PIERRE ; LEBLANC CATHERINE ; HAN BO ; LIAO LV ; KNOEPFEL THOMAS ; MAH ROBERT ; MURAKAMI MASATO ; XIONG JING ; ZHAO XIANGLIN ; WANG CAN ; NOVARTIS AG ; RIPOCHE SEBASTIEN ; PORTER DALE ; WANG YOUZHEN ; PALMER MICHAEL ; WEISS ANDREAS ; NOVARTIS INT AG

Assignee(s): NOVARTIS PHARMA AG ; SUZHOU NOVARTIS PHARMA TECHNOLOGY CO LTD ; KNOPFEL THOMAS ; BEIJING NOVARTIS PHARMA CO LTD

Inventor(s): (std): ALEC FAIRHURST ROBIN ; BUSCHMANN NICOLE ; CATHERINE LEBLANC ; BO HAN ; CAN WANG ; FAIRHURST ROBIN ALEC ; FURET PASCAL ; HAN BO ; KNOEPFEL THOMAS ; JING XIONG ; KNOPFEL THOMAS ; GRAUS PORTA DIANA ; HAEFLIGER CAROLINA ; NIMSGERN PIERRE ; LEBLANC CATHERINE ; RIPOCHE SEBASTIEN ; LIAO LV ; MAH ROBERT ; PIERRE NIMSGERN ; ROBERT MAH ; LV LIAO ; PASCAL FURET ; NICOLE BUSCHMANN ; ROBIN ALEC FAIRHURST ; PORTER DALE ; PALMER MICHAEL ; MURAKAMI MASATO ; PIERRE NIMSGERN ; KNPFEL THOMAS ; XIONG JING ; ZHAO XIANGLIN ; WANG CAN ; SEBASTIEN RIPOCHE ; THOMAS KNOEPFEL ; WANG YOUZHEN ; WEISS ANDREAS ; XIANGLIN ZHAO ; THOMAS KNPFEL ; THOMAS KNOPFEL ; YING XIONG

Inventor(s): 10 JING XIONG

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; RODRIGO MARRE GREZ; CARLOS REINALDO OLARTE GARCIA; WOODCOCK BOURNE HEATHER; CAMPBELL LACHLAN CLIVE; RUDGE SEWKIAN; SAUD M A SHAWWAF LAW OFFICE; BUDI RAHMAT SH; KATAYAMA EIJI; OHMORI NORIO; KOBAYASHI HIROSHI; SCOTT W; GREGORY; NOVARTIS AG

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SYSTEMS, METHODS, AND PROCESSES UTILIZED FOR TREATING SUBSURFACE FORMATIONS

Abstract: Systems, methods, and/or heaters for treating a subsurface formation are described herein. Some embodiments also generally relate to heaters that have novel components therein. Such heaters may be obtained by using the systems and methods described.

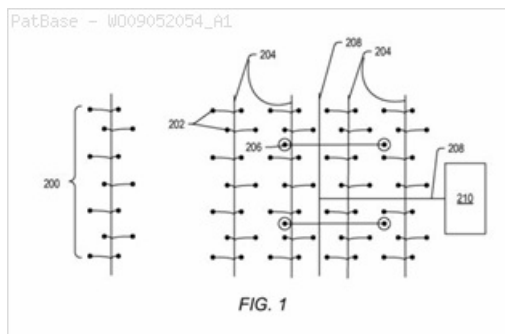
Classifications:

International (IPC 8-9): E21C25/04 (Advanced/Invention);

E21C25/00 (Core/Invention)

CPC: H01F29/04 E21B43/24 H01F27/38 H01J37/32926 H01J37/32935 Y10T29/49083 E21B36/04 E21B43/30

European: E21B43/24 H01F29/04 H01J37/32S2 H01J37/32S4 T01F27/38



Family:

Publication number	Publication date	Application number	Application date
WO09052054 A1	20090423	WO2008US79728	20081013

Priority:

US20070999839P 20071019 US20080046329P 20080418

Probable Assignee: SHELL OIL CO

Assignee(s): (std): ARORA DHURV ; AYODELE OLUROPO RUFUS ; BASS RONALD J ; BEER GARY LEE ; BRAVO JOSE LUIS ; BURNS DAVID BOOTH ; COSTELLO MICHAEL SCOTT ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; FONSECA OCAMPOS ERNESTO RAPHAEL ; GUIMERANS ROSALVINA RAMONA ; CRUZ ANTONIO MARIA GUIMARAES LEITE ; EDBURY DAVID ALSTON ; CAO RENFANG RICHARD ; CARROLL MARK THOMAS ; FOWLER THOMAS DAVID ; HARVEY ALBERT DESTREHAN III ; HARRIS CHRISTOPHER KELVIN ; CARDINAL PAUL GREGORY ; SHELL INT RESEARCH ; RAGHU DAMODARAN ; KIM DONG SUB ; MO WEIJAN ; MILLER DAVID SCOTT ; PATNI SANDEEP ; KARANIKAS JOHN MICHAEL ; LI BUSHENG ; MACDONALD DUNCAN CHARLES ; RYAN ROBERT CHARLES ; MARWEDE JOCHEN ; MANSURE ARTHUR JAMES ; MUYLLE MICHEL SERGE MARIE ; HWANG HORNG JYE JAY ; MCKINZIE BILLY JOHN II ; NAIR VIJAY ; NGUYEN SCOTT VINH ; LINEY DAVID JOHN ; MASON STANLEY LEROY ; PRINCE WRIGHT ROBERT GEORGE ; ROES AUGUSTINUS WILHELMUS MARIA ; RENKEMA DUURT ; SANDBERG CHESTER LEDLIE ; VINEGAR HAROLD J ; SON JAIME SANTOS ; XIE XUEYING ; STANECKI JOHN ANDREW ; UWECHUE UZO PHILLIP ; SHEN CHONGHUI ; SHELL OIL CO ; VENDITTO JAMES JOSEPH

Assignee(s): SHELL INT RESEARCH MIJ BV ; SHELL OIL COMPANY ; SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B V

Inventor(s): (std): ARORA DHURV ; AYODELE OLUROPO RUFUS ; BASS RONALD J ; BEER GARY LEE ; BRAVO JOSE LUIS ; BURNS DAVID BOOTH ; CAO RENFANG RICHARD ; CARDINAL PAUL GREGORY ; CARROLL MARK THOMAS ; COSTELLO MICHAEL SCOTT ; CRUZ ANTONIO MARIA GUIMARAES LEITE ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; EDBURY DAVID ALSTON ; FONSECA OCAMPOS ERNESTO RAPHAEL ; FOWLER THOMAS DAVID ; GUIMERANS ROSALVINA RAMONA ; HARRIS CHRISTOPHER KELVIN ; HARVEY ALBERT DESTREHAN III ; HWANG HORNG JYE JAY ; KARANIKAS JOHN MICHAEL ; KIM DONG SUB ; LI BUSHENG ; LINEY DAVID JOHN ; MACDONALD DUNCAN CHARLES ; MANSURE ARTHUR JAMES ; MARWEDE JOCHEN ; MASON STANLEY LEROY ; MCKINZIE BILLY JOHN II ; MILLER DAVID SCOTT ; MO WEIJAN ; MUYLLE MICHEL SERGE MARIE ; NAIR VIJAY ; NGUYEN SCOTT VINH ; PATNI SANDEEP ; PRINCE WRIGHT ROBERT GEORGE ; RAGHU DAMODARAN ; RENKEMA DUURT ; ROES AUGUSTINUS WILHELMUS MARIA ; RYAN ROBERT CHARLES ; SANDBERG CHESTER LEDLIE ; SHEN CHONGHUI ; SON JAIME SANTOS ; STANECKI JOHN ANDREW ; UWECHUE UZO PHILLIP ; VENDITTO JAMES JOSEPH ; VINEGAR HAROLD J ; XIE XUEYING

Agent(s): CHRISTENSEN DEL S ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

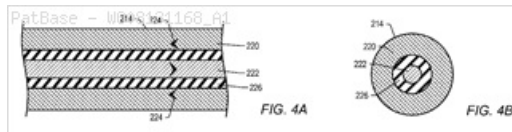
Title: ELECTRICALLY ISOLATING INSULATED CONDUCTOR HEATER

Abstract: A heating system for a subsurface **formation** includes an electrical conductor and an insulation layer at least partially surrounding the electrical conductor. A jacket that includes ferromagnetic material at least partially surrounds the insulation layer. The outside surface of the jacket is configured to be at little or no electric potential while the electrical conductor is conducting electricity and while the jacket is at temperatures below the Curie temperature of the ferromagnetic material.

Classifications:**International (IPC 8-9):** E21B36/00 E21B36/02 E21B36/04

E21B43/16 E21B43/24 (Advanced/Invention);

E21B36/00 E21B43/16 (Core/Invention)

CPC: Y10T29/49083 E21B43/2401 C10G1/02 E21B43/16 C09K8/845 C09K8/86 C10G1/008 C10G1/04 C10G1/042 E21B43/24 E21B36/04**European:** E21B36/04 E21B43/24B**Family:**

Publication number	Publication date	Application number	Application date
AU2008242796 AA	20081030	AU20080242796	20080418
AU2008242796 BB	20110707	AU20080242796	20080418
AU2008242803 AA	20081030	AU20080242803	20080418
AU2008242803 BB	20110623	AU20080242803	20080418
BRPI0810026 A2	20170606	BR2008PI10026	20080418
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CA2684485 AA	20081030	CA20082684485	20080418
CA2684485 C	20160614	CA20082684485	20080418
CN101680286 A	20100324	CN200880017260	20080418
MX2009011190 A1	20091030	MX20090011190	20080418
WO08131168 A1	20081030	WO2008US60740	20080418
WO08131169 A2	20081030	WO2008US60741	20080418
WO08131169 A3	20081224	WO2008US60741	20080418
WO08131171 A1	20081030	WO2008US60743	20080418
WO08131173 A1	20081030	WO2008US60746	20080418
WO08131175 A1	20081030	WO2008US60748	20080418
WO08131177 A1	20081030	WO2008US60750	20080418
WO08131179 A1	20081030	WO2008US60752	20080418
WO08131180 A1	20081030	WO2008US60754	20080418
WO08131182 A1	20081030	WO2008US60757	20080418
WO08131212 A2	20081030	WO2008US60811	20080418
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Priority:US20070925685P 20070420
WO2008US60740 20080418

US20070999839P 20071019

WO2008US60748 20080418

Probable Assignee: SHELL INT RESEARCH

Assignee(s): (std): ABBASI FARAZ ; ANDERSON KARL GREGORY ; BASS RONALD J ; BEER GARY LEE ; BEERS GARY LEE ; BURNS DAVID ; FARMAYAN WALTER ; BRIGNAC JOSEPH P JR ; GEDDES CAM ; FONSECA ERNESTO ; DAVIDSON IAN ALEXANDER ; CLOMBURG LLOYD ANTHONY ; COSTELLO MICHAEL ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; DEN BOESTERT JOHANNES LEENDERT ; KARANIKAS JOHN MICHAEL ; SANDBERG CHESTER LEDLIE ; NGUYEN SCOTT VINH ; KIM DONG SUB ; RYAN ROBERT CHARLES ; HARRIS CHRISTOPHER KELVIN ; HWANG H JAY ; RUDOLF RANDY ; HARVY BERT ; GILES STEVEN PAUL ; MANSURE ARTHUR J ; PIERCE ROBERT ; PIERCE DENNIS ; PRINCE WRIGHT ROBERT ; GUIMERANS ROSALVINA ; MARWEDE JOCHEN ; MUNSHI ABDUL ; GOODWIN CHARLES R ; RENKEMA DUURT ; MACDONALD DUNCAN ; SHELL OIL CO ; SHELL INT RESEARCH ; VINEGAR HAROLD J ; ZHANG ETUAN ; STANECKI JOHN ANDREW ; SIDDOWAY MARK ALAN ; TSAI KUOCHEN ; STANECKI JOHN ; SELBY BRUCE ; SHELL INT RES MAARTSCHAPPIJ BV

Assignee(s): SHELL INT RESEARCH MAARTSCHAPPIJ BV ; SHELL INTERNATIONAL RESEARCH MAARTSCHAPPIJ B V ; SHELL INT RESEARCH MIJ BV ; SHELL INTERNATIONALE RESEARCH MAARTSCHAPPIJ B V ; SHELL OIL COMPANY

Inventor(s): (std): ABBASI FARAZ ; ANDERSON KARL GREGORY ; BASS RONALD J ; BEER GARY LEE ; BEERS GARY LEE ; BRIGNAC JOSEPH P JR ; BURNS DAVID ; CHESTER LEDLIE SANDBERG ; CLOMBURG LLOYD ANTHONY ; COSTELLO MICHAEL ; DAVIDSON IAN ALEXANDER ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; DONG SUB KIM ; FARMAYAN WALTER ; FONSECA ERNESTO ; GEDDES CAM ; GILES STEVEN PAUL ; GOODWIN CHARLES R ; GUIMERANS ROSALVINA ; HAROLD J VINEGAR ; HARRIS CHRISTOPHER KELVIN ; HARVY BERT ; HWANG H JAY ; KARANIKAS JOHN MICHAEL ; KIM DONG SUB ; LEDLIE SANDBERG CHESTER ; MACDONALD DUNCAN ; MANSURE ARTHUR J ; MARWEDE JOCHEN ; MUNSHI ABDUL ; NGUYEN SCOTT VINH ; PIERCE DENNIS ; PIERCE ROBERT ; PRINCE WRIGHT ROBERT ; RENKEMA DUURT ; RUDOLF RANDY ; RYAN ROBERT CHARLES ; SANDBERG CHESTER LEDLIE ; SCOTT VINH NGUYEN ; SELBY BRUCE ; SIDDOWAY MARK ALAN ; STANECKI JOHN ; STANECKI JOHN ANDREW ; DEN BOESTERT JOHANNES LEENDERT ; SUB KIM DONG ; TSAI KUOCHEN ; VINEGAR HAROLD J ; VINH NGUYEN SCOTT ; ZHANG ETUAN

Agent(s): SPRUSON AND FERGUSON; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; CHRISTENSEN DEL S

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LR LK LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

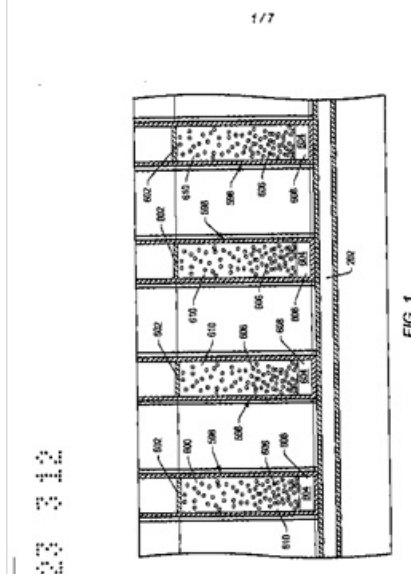
Title: SYSTEMS, METHODS, AND PROCESSES FOR USE IN TREATING SUBSURFACE FORMATIONS

Abstract: Systems, methods, and/or heaters for treating a subsurface formation are described herein. Some embodiments also generally relate to heaters that have novel components therein. Such heaters may be obtained by using the systems and methods described.

Classifications:

International (IPC 8-9): B21C37/08 B21C47/24 C09K8/592
C10G1/02 E21B10/00 E21B17/20 E21B34/04 E21B36/00 E21B36/02
E21B36/04 E21B43/14 E21B43/22 E21B43/24 E21B43/241
E21B43/243 E21B43/34 E21B47/022 E21B7/18 F23D14/32 F24J3/08
H01B3/12 H01B7/02 H01F27/06 H01F29/02 H01F29/04 H1B3/12
H1B7/02 H1F27/06 H1F29/02 H1F29/04 (Advanced/Invention);
E21B36/00 E21B43/16 E21B47/02 (Core/Invention)
CPC: Y10T29/49083 E21B43/243 E21B47/02216 C10G1/02
E21B43/2401 E21B43/16 C09K8/845 C09K8/86 C10G1/008
C10G1/04 C10G1/042 E21B43/24 E21B36/04
European: E21B36/04 E21B43/243 E21B43/24B E21B47/022M

PatBase - GB2462020_B2



Family:

Publication number	Publication date	Application number	Application date
CA2684471 AA	20091016	CA20082684471	20080418
GB200917869 A0	20091125	GB20090017869	20080418
GB2462020 A1	20100127	GB20090017869	20080418
GB2462020 B2	20120808	GB20090017869	20080418
NZ581359 A	20120831	NZ20080581359	20080418

Priority:

US20070925685P 20070420 US20070999839P 20071019 WO2008US60811 20080418

Probable Assignee: SHELL OIL CO

Assignee(s): (std): SHELL INT RESEARCH ; SHELL OIL CO

Assignee(s): SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B V ; SHELL INT RESEARCH MIJ BV ; STANECKI JOHN ; SIDDOWAY MARK ALAN ; RUDOLF RANDY ; SANDBERG CHESTER LEDLIE ; HWANG H JAY ; TSAI KUOCHEN ; PIERCE ROBERT ; PIERCE DENNIS ; NGUYEN SCOTT VINH ; MACDONALD DUNCAN ; SELBY BRUCE ; PRINCE WRIGHT ROBERT ; KARANIKAS JOHN MICHAEL ; KIM DONG SUB ; MANSURE ARTHUR J ; RYAN ROBERT CHARLES ; MUNSHI ABDUL ; MARWEDE JOCHEN ; RENKEMA DUURT ; VINEGAR HAROLD J ; ZHANG ETUAN ; ABBASI FARAZ ; ANDERSON KARL GREGORY ; BASS RONALD J ; BEERS GARY LEE ; BRIGNAC JOSEPH P JR ; BURNS DAVID ; GILES STEVEN PAUL ; GOODWIN CHARLES R ; GUIMERANS ROSALVINA ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; FARMAYAN WALTER ; FONSECA ERNESTO ; HARRIS CHRISTOPHER KELVIN ; COSTELLO MICHAEL ; DAVIDSON IAN ALEXANDER ; HARVY BERT ; CLOMBURG LLOYD ANTHONY ; GEDDES CAM ; SHELL OIL COMPANY

Inventor(s): (std): ABBASI FARAZ ; ANDERSON KARL GREGORY ; ANGELO CHARLES D III ; BOESTERT JOHANNES LEENDERT WILLEM CORNELIS DEN ; BOND WILHELMUS MARIA ; BRADY MICHAEL PATRICK ; BRIGNAC JOSEPH P ; BRIGNAC JOSEPH P JR ; BRIGNAC JOSEPH PHILLIP JR ; BURNS DAVID ; BURNS DAVID BOOTH ; CARL FREDERICK GORDON ; BASS RONALD J ; BASS RONALD MARSHALL ; BEERS GARY LEE ; CHERRILLO RALPH ANTHONY ; CHRISTENSEN DEL SCOT ; CLOMBURG LLOYD ANTHONY ; COIT WILLIAM GEORGE ; COSTELLO MICHAEL ; COSTELLO MICHAEL SCOTT ; COWAN KENNETH MICHAEL ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; DIAZ ZAIDA ; FAIRBANKS MICHAEL DAVID ; FARMAYAN WALTER ; FONSECA ERNESTO ; FOWLER THOMAS DAVID ; DAVIDSON IAN ALEXANDER ; DEEG WOLFGANG FRIEDRICH JOHANN ; GEDDES CAM ; GILES STEVEN PAUL ; GINESTRA JEAN CHARLES ; GOEL NAVAL ; GOODWIN CHARLES R ; GRIFFIN PETER TERRY ; GUIMERANS ROSALVINA ; HALE ARTHUR HERMAN ; HAMILTON PAUL TAYLOR ; HARIHARAN PERINGANDOO RAMAN ; HARRIS CHRISTOPHER KELVIN ; HARVY BERT ; HERON GOREM ; HINSON RICHARD A ; HIRSHBLOND STEPHEN PALMER ; HORTON JR JOSEPH ARNO ; HSU CHIA FU ; HWANG H ; HWANG H JAY ; JOHN RANDY CARL ; KIM DONG SUB ; KUHLMAN MYRON IRA ; LAMBIRTH GENE RICHARD ; MARWEDE JOCHEN ; MASON STANLEY LEROY ; MAZIASZ PHILIP JAMES ; MCKINZIE BILLY JOHN ; MENOTTI JAMES LOUIS ; LENKE ROBERT ; LI RUIJIAN ; MACDONALD DUNCAN ; MANDEMA REMCO HUGO ; MANSURE ARTHUR J ; MILLER DAVID SCOTT ; MINDERHOUD JOHANNES KORNELIS ; MO WEIJIAN ; MUNSHI ABDUL ; MUNSHI ABDUL WAHID ; MUYLLE MICHEL SERGE MARIE ; KARANIKAS JOHN MICHAEL ; KELTNER THOMAS JOSEPH ; NAIR VIJAY ; NELSON RICHARD GENE ; NGUYEN SCOTT VINH ; PAGGIO ALAN ANTHONY DEL ; PIERCE DENNIS ; PIERCE ROBERT ; PINGO ALMADA MONICA M ; PRINCE WRIGHT ROBERT ; RENKEMA DUURT ; ROES AUGUSTINUS WILHELMUS MARIA ; ROUFFIGNAC ERIC PIERRE DE ; RUDOLF RANDY ; RYAN ROBERT CHARLES ; SAMUEL ALLAN JAMES ; SANDBERG CHESTER LEDLIE ; SANTELLA MICHAEL LEONARD ; SCHNEIBEL JOACHIM HUGO ; SCHOEGER WILLEM JAN ANTOON HENRI ; SCHOEHLING LANNY ; SELBY BRUCE ; SHINGLEDECKER JOHN PAUL ; SIDDOWAY MARK ALAN ; SIKKA VINOD KUMAR ; STANECKI JOHN ; STEGEMEIER GEORGE LEO ; STONE JR FRANCIS MARION ; TSAI KUOCHEN ; VINEGAR HAROLD J ; WATKINS RONNIE WADE ; WONG SAU WAI ; XIE XUEYING ; ZHANG ETUAN

Inventor(s): XUEYING XIE ; ZAIDA DIAZ ; WEIJIAN MO ; WILHELMUS MARIA BOND ; WILLEM JAN ANTOON HENRI SCOEBER ; WILLIAM GEORGE COIT ; WOLFGANG FRIEDRICH JOHANN DEEG ; VINOD KUMAR SIKKA ; WALTER FARMAYAN ; VIJAY NAIR ; THOMAS DAVID FOWLER ; THOMAS JOSEPH KELTNER ; STEPHEN PALMER HIRSHBLOND ; STEVEN PAUL GILES ; STANLEY LEROY MASON ; SCOTT VINH NGUYEN ; SAU WAI WONG ; RUIJIAN LI ; RONALD MARSHALL BASS ; RONNIE WADE WATKINS ; RICHARD A HINSON ; RICHARD GENE NELSON ; ROBERT CHARLES RYAN ; ROBERT LENKE ; RALPH ANTHONY CHERRILLO ; RANDY CARL JOHN ; REMCO HUGO MANDEMA ; PAUL TAYLOR HAMILTON ; PERINGANDOOR RAMAN HARIHARAN ; PETER TERRY GRIFFIN ; PHILIP JAMES MAZIASZ ; NAVAL GOEL ; KENNETH MICHAEL COWAN ; MYRON IRA KUHLMAN ; MONICA M PINGO ALMADA ; MARK ALAN SIDDOWAY ; MICHAEL DAVID FAIRBANKS ; MICHAEL LEONARD SANTELLA ; MICHAEL PATRICK BRADY ; MICHAEL SCOTT COSTELLO ; MICHEL SERGE MARIE MUYLLE ; LANNY SCHOELING ; JOSEPH PHILLIP BRIGNAC JR ; JR FRANCIS MARION STONE ; JR JOSEPH ARNO HORTON ; IAN ALEXANDER DAVIDSON ; JAMES LOUIS MENOTTI ; JEAN CHARLES GINESTRA ; JOACHIM HUGO SCHNEIBEL ; JOHANNES KORNELIS MINDERHOUD ; JOHANNES LEENDERT WILLEM CORNELIS DEN BOESTERT ; JOHN MICHAEL KARANIKAS ; JOHN PAUL SHINGLEDECKER ; HAROLD J VINEGAR ; GOREM HERON ; GENE RICHARD LAMBIRTH ; GEORGE LEO STEGEMEIER ; DEL SCOT CHRISTENSEN ; FREDERICK GORDON CARL ; DONG SUB KIM ; ERIC PIERRE DE ROUFFIGNAC ; ETUAN ZHANG ; DAVID BOOTH BURNS ; DAVID SCOTT MILLER ; CHRISTOPHER KELVIN HARRIS ; CHESTER LEDLIE SANDBERG ; CHIA FU HSU ; BILLY JOHN MCKINZIE ; CHARLES D ANGELO III ; CHARLES R GOODWIN ; ARTHUR HERMAN HALE ; AUGUSTINUS WILHELMUS MARIA ROES ; ABDUL WAHID MUNSHI ; ALAN ANTHONY DEL PAGGIO ; ALLAN JAMES SAMUEL

Agent(s): NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL

Title: SYSTEMS AND PROCESSES FOR USE IN TREATING SUBSURFACE FORMATIONS

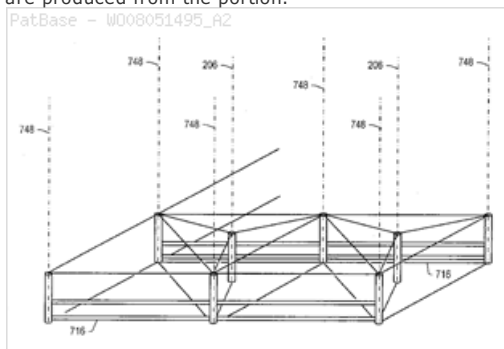
Abstract: Methods for treating a tar sands formation are described herein. Methods for treating a tar sands may include heating a portion of a hydrocarbon layer in the formation from one or more heaters located in the portion. The heat may be controlled to increase the permeability of at least part of the portion to create an injection zone in the portion with an average permeability sufficient to allow injection of a fluid through the injection zone. A drive fluid and/or an oxidizing fluid may be provided into the injection zone. At least some hydrocarbons are produced from the portion.

Classifications:

International (IPC 8-9): C09K17/00 E21B33/13 E21B36/00 E21B36/04 E21B43/00 E21B43/14 E21B43/16 E21B43/24 E21B43/241 E21B43/243 E21B43/26 E21B43/30 (Advanced/Invention); C09K17/00 E21B33/13 E21B36/00 E21B43/00 E21B43/16 E21B43/25 (Core/Invention)

CPC: C10G2300/4037 E21B43/243 C10G1/02 E21B36/04 E21B47/02216 E21B43/30

European: C10G1/02 E21B36/04 E21B43/243 E21B47/022M

**Family:**

Publication number	Publication date	Application number	Application date
WO08051495 A2	20080502	WO2007US22376	20071019
WO08051495 A3	20081030	WO2007US22376	20071019
WO08051495 A8	20090730	WO2007US22376	20071019
WO08051822 A2	20080502	WO2007US81890	20071019
WO08051822 A3	20081030	WO2007US81890	20071019
WO08051825 A1	20080502	WO2007US81896	20071019
WO08051827 A2	20080502	WO2007US81901	20071019
WO08051827 A3	20080828	WO2007US81901	20071019
WO08051830 A2	20080502	WO2007US81904	20071019
WO08051830 A3	20090430	WO2007US81904	20071019
WO08051831 A2	20080502	WO2007US81905	20071019
WO08051831 A3	20081106	WO2007US81905	20071019
WO08051833 A2	20080502	WO2007US81910	20071019
WO08051833 A3	20081016	WO2007US81910	20071019
WO08051834 A2	20080502	WO2007US81915	20071019
WO08051834 A3	20080807	WO2007US81915	20071019
WO08051836 A2	20080502	WO2007US81918	20071019
WO08051836 A3	20080710	WO2007US81918	20071019
WO08051837 A2	20080502	WO2007US81920	20071019
WO08051837 A3	20081113	WO2007US81920	20071019

Priority:

US20060853096P 20061020	US20070925685P 20070420	WO2007US81901 20071019
WO2007US81896 20071019	WO2007US81915 20071019	WO2007US81918 20071019
WO2007US81920 20071019		

Probable Assignee: SHELL OIL CO

Assignee(s): (std): BOND WIM ; BRIGNAC JOSEPH P JR ; CARL FREDERICK GORDON JR ; BURNS DAVID ; BRADY MICHAEL PATRICK ; CARTER ERNEST E JR ; BOYLES JOSEPH MICHAEL ; CARTER ERNEST E ; GILES STEVEN PAUL ; FARMAYAN WALTER FARMAN ; CLOMBURG LLOYD ANTHONY ; DE ROUFFIGNAC ERIC PIERRE ; DOMBROWSKI ROBERT JAMES ; COLMENARES TULIO RAFAEL ; FARMAYAN WALTER ; DEEG WOLFGANG ; COWAN KENNETH MICHAEL ; DAVIDSON IAN ALEXANDER ; COIT WILLIAM GEORGE ; COSTELLO MICHAEL ; D ANGELO CHARLES ; DEN BOESTERT JOHANNES LEENDERT ; DEL PAGGIO ALAN ANTHONY ; GINESTRA JEAN CHARLES ; CHRISTENSEN DEL SCOTT ; FAIRBANKS MICHAEL DAVID ; FOWLER THOMAS D ; DINORUK DENIZ SUMNU ; CHERRILLO RALPH ANTHONY ; DIAZ ZAIDA ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; COLMBURG LLYOD ANTHONY ; MUNSHI ABDUL WAHID ; NGUYEN SCOTT VINH ; MILLER DAVID SCOTT ; PINGO ALMADA MONICA M ; JAISWAL NAMIT ; MUDUNURI RAMESH RAJU ; MO WEIJAN ; KARANIKAS JOHN MICHAEL ; KHODAVERDIAN MOHAMAD FERREYDOON ; RYAN ROBERT CHARLES ; ROES AUGUSTINUS WILHELMUS MARI ; MARINO MARIAN ; MINDERHOUD JOHANNES KORNELIS ; MUYLLE MICHEL SERGE MARIE ; GOODWIN CHARLES R ; HORTON JOSEPH ARNO JR ; MANDEMA REMCO HUGO ; GOEL NAVAL ; HIRSHBLOND STEPHEN PALMER ; KELTNER THOMAS J ; LENKE ROBERT ; RICHARD JAMES JR ; MO WEIJIAN ; HAMILTON PAUL TAYLOR ; NAIR VIJAY ; KUHLMAN MYRON IRA ; HARIHARAN PERINGANDOR RAMAN ; KHODAVERDIAN MAHAMAD ; KIM DONG SUB ; MAZIASZ PHILIP JAMES ; MACDONALD DUNCAN ; MANSURE ALBERT J ; HSU CHIA FU ; JOHN RANDY CARL ; HERON GOREM ; MCKINZIE BILLY JOHN II ; LI RUIJIAN ; LAMBIRTH GENE RICHARD ; GRIFFIN PETER TERRY ; GOLDBERG BERNARD ; HALE ARTHUR HERMAN ; NELSON RICHARD GENE ; MENOTTI JAMES LOUIS ; HINSON RICHARD A ; HARRIS CHRISTOPHER KELVIN ; MASON STANLEY LEROY ; ROES AUGUSTINUS WILHELMUS MARIA ; PIETERSON ROELOF ; SIDDOWAY MARK ALAN ; SHELL OIL CO ; SHELL INT RESEARCH ; TSAI KUOCHEN ; VINEGAR HAROLD J ; STEGEMEIER GEORGE LEO ; ZHANG ETUAN ; SON JAIME SANTOS ; SCHOELING LANNY GENE ; WATKINS RONNIE WADE ; SCHOEBER WILLEM JAN ANTOON HEN ; SANTELLA MICHAEL LEONARD ; SCHNEIBEL JOACHIM HUGO ; VITEK JOHN MICHAEL ; SAMUEL ALLAN JAMES ; SHINGLEDECKER JOHN PAUL ; SANDBERG CHESTER LEDLIE ; XIE XUEYING ; WONG SAU WAI ; STONE FRANCES MARION JR ; SIKKA VINOD KUMAR ; SCHOEBER WILLEM JAN ANTOON HENRI ; WELLINGTON SCOTT LEE ; ABBASI FARAZ ; ANDERSON KARL GREGORY ; ANDERSON LLYOD ANTHONY ; BAI TAIXU ; BAKER RALPH STERMAN ; BASS RONALD M ; BRIGNAC JOSEPH PHILLIP ; BEER GARY LEE

Assignee(s): BRIGNAC JOSEPH P ; SHELL INT RESEARCH MIJ BV ; SHELL OIL COMPANY ; SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B V

Inventor(s): (std): ABBASI FARAZ ; ANDERSON KARL GREGORY ; BRIGNAC JOSEPH PHILLIP ; CLOMBURG LLOYD ANTHONY ; DE ROUFFIGNAC ERIC PIERRE ; FARMAYAN WALTER FARMAN ; GILES STEVEN PAUL ; MILLER DAVID SCOTT ; MUNSHI ABDUL WAHID ; NGUYEN SCOTT VINH ; PINGO ALMADA MONICA M ;

SIDDOWAY MARK ALAN ; TSAI KUOCHEN ; VINEGAR HAROLD J ; ZHANG ETUAN ; XIE XUEYING ;
WONG SAU WAI ; WELLINGTON SCOTT LEE ; WATKINS RONNIE WADE ; VITEK JOHN MICHAEL ; STONE
FRANCES MARION JR ; STEGEMEIER GEORGE LEO ; SON JAIME SANTOS ; SIKKA VINOD KUMAR ;
SHINGLEDECKER JOHN PAUL ; SCHOELING LANNY GENE ; SCHOEBER WILLEM JAN ANTOON HEN ;
SCHNEIBEL JOACHIM HUGO ; SANTELLA MICHAEL LEONARD ; SANDBERG CHESTER LEDLIE ; SAMUEL
ALLAN JAMES ; RYAN ROBERT CHARLES ; ROES AUGUSTINUS WILHELMUS MARI ; RICHARD JAMES JR ;
PIETERSON ROELOF ; NELSON RICHARD GENE ; NAIR VIJAY ; MUYLLE MICHEL SERGE MARIE ;
MUDUNURI RAMESH RAJU ; MO WEIJIAN ; MO WEIJAN ; MINDERHOUD JOHANNES KORNELIS ; MENOTTI
JAMES LOUIS ; MCKINZIE BILLY JOHN II ; MAZIASZ PHILIP JAMES ; MASON STANLEY LEROY ; MARINO
MARIAN ; MANSURE ALBERT J ; MANDEMA REMCO HUGO ; MACDONALD DUNCAN ; LI RUIJIAN ; LENKE
ROBERT ; LAMBIRTH GENE RICHARD ; KUHLMAN MYRON IRA ; KIM DONG SUB ; KHODAVERDIAN
MOHAMAD FEREYDOON ; KHODAVERDIAN MAHAMAD ; KELTNER THOMAS J ; KARANIKAS JOHN
MICHAEL ; JOHN RANDY CARL ; JAISWAL NAMIT ; HSU CHIA FU ; HORTON JOSEPH ARNO JR ;
HIRSHBLOND STEPHEN PALMER ; HINSON RICHARD A ; HERON GOREM ; HARRIS CHRISTOPHER
KELVIN ; HARIHARAN PERINGANDOO RAMAN ; HAMILTON PAUL TAYLOR ; HALE ARTHUR HERMAN ;
GRIFFIN PETER TERRY ; GOODWIN CHARLES R ; GOLDBERG BERNARD ; GOEL NAVAL ; GINESTRA
JEAN CHARLES ; FOWLER THOMAS D ; FARMAYAN WALTER ; FAIRBANKS MICHAEL DAVID ;
DOMBROWSKI ROBERT JAMES ; DINORUK DENIZ SUMNU ; DIAZ ZAIDA ; DEN BOESTERT JOHANNES
LEENDERT ; DEL PAGGIO ALAN ANTHONY ; DEEG WOLFGANG ; DAVIDSON IAN ALEXANDER ; D
ANGELO CHARLES ; COWAN KENNETH MICHAEL ; COSTELLO MICHAEL ; COLMENARES TULIO RAFAEL ;
COLMBURG LLYOD ANTHONY ; COIT WILLIAM GEORGE ; CHRISTENSEN DEL SCOTT ; CHERRILLO
RALPH ANTHONY ; CARTER ERNEST E JR ; CARTER ERNEST E ; CARL FREDERICK GORDON JR ; BURNS
DAVID ; BRIGNAC JOSEPH P JR ; BRADY MICHAEL PATRICK ; BOYLES JOSEPH MICHAEL ; BOND WIM ;
BEER GARY LEE ; BASS RONALD M ; BAKER RALPH STERMAN ; BAI TAIXU ; ANDERSON LLYOD
ANTHONY ; SCHOEBER WILLEM JAN ANTOON HENRI ; ROES AUGUSTINUS WILHELMUS MARIA ; DEN
BOESTERT JOHANNES LEENDERT WILLEM CORNELIS

Inventor(s): BRIGNAC JOSEPH P

Agent(s): CHRISTENSEN DEL S ET AL; CHRISTENSEN DEL S

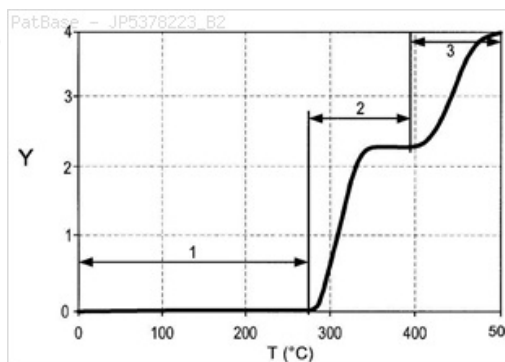
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY
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IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW
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TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: HEATING HYDROCARBON CONTAINING FORMATIONS IN A LINE DRIVE STAGED PROCESS

Abstract: A method for treating a karsted formation containing heavy hydrocarbons and dolomite includes providing heat to at least part of one or more karsted layers in the formation from one or more heaters located in the karsted layers. A temperature in at least one of the karsted layers is allowed to reach a decomposition temperature of dolomite in the formation. The dolomite is allowed to decompose and at least some hydrocarbons are produced from at least one of the karsted layers of the formation.

Classifications:

International (IPC 8-9): B21B23/00 B21B41/00 C10L1/10 E21B21/00 E21B29/00 E21B33/03 E21B33/138 E21B36/00 E21B36/02 E21B36/04 E21B41/00 E21B43/14 E21B43/16 E21B43/22 E21B43/24 E21B43/241 E21B43/243 E21B43/26 E21B43/30 E21B43/34 E21B47/022 E21B47/06 F16L9/147 F16L9/18 (Advanced/Invention); C01B3/32 H05B3/00 (Advanced/Non-invention); E21B43/00 E21B43/16 E21B43/25 (Core/Invention); E21B (Subclass/Invention)
CPC: C10G2300/4037 E21B43/243 C10G1/02 E21B36/04 E21B47/02216 E21B43/30
European: C10G1/02 E21B36/04 E21B43/243 E21B47/022M



Family:

Publication number	Publication date	Application number	Application date
CA2665862 AA	20080502	CA20072665862	20071019
CA2665862 C	20150602	CA20072665862	20071019
CA2667274 AA	20080502	CA20072667274	20071019
IL198063 A0	20091224	IL20090198063	20090407
IL198063 A1	20130731	IL20070198063	20071019
JP5378223 B2	20131225	JP20090533560T	20071019

Priority:

US20060853096P 20061020 US20070925685P 20070420 WO2007US22376 20071019
 WO2007US81905 20071019

Probable Assignee: SHELL INT RESEARCH

Assignee(s): (std): SHELL INT RESEARCH

Assignee(s): SHELL INT RESEARCH MIJ BV ; MILLER DAVID SCOTT ; MANDEMA REMCO HUGO ; RICHARD JAMES JR ; MASON STANLEY LEROY ; NAIR VIJAY ; LAMBIRTH GENE RICHARD ; MUYLLE MICHEL SERGE MARIE ; SCHOEER WILLEM JAN ANTOON HENRI ; SHINGLEDECKER JOHN PAUL ; MO WEIJIAN ; KHODAVERDIAN MAHAMAD ; KARANIKAS JOHN MICHAEL ; SAMUEL ALLAN JAMES ; KIM DONG SUB ; SIDDOWAY MARK ALAN ; MENOTTI JAMES LOUIS ; MANSURE ALBERT J ; MUDUNURI RAMESH RAJU ; HORTON JOSEPH ARNO JR ; JOHN RANDY CARL ; NGUYEN SCOTT VINH ; JAISWAL NAMIT ; PINGO ALMADA MONICA M ; KELTNER THOMAS J ; SIKKA VINOD KUMAR ; ROES AUGUSTINUS WILHELMUS MARIA ; STEGEMEIER GEORGE LEO ; KUHLMAN MYRON IRA ; MUNSHI ABDUL WAHID ; RYAN ROBERT CHARLES ; SON JAIME SANTOS ; SANTELLA MICHAEL LEONARD ; MARINO MARIAN ; LENKE ROBERT ; LI RUIJIAN ; SCHNEIBEL JOACHIM HUGO ; HSU CHIA FU ; MCKINZIE BILLY JOHN II ; MAZIASZ PHILIP JAMES ; SCHOELING LANNY GENE ; MACDONALD DUNCAN ; NELSON RICHARD GENE ; SANDBERG CHESTER LEDLIE ; MINDERHOUD JOHANNES KORNELIS ; SHELL INT RESEARCH MIJ BESLOTEN VENNOTSHAP ; XIE XUEYING ; VINEGAR HAROLD J ; ZHANG ETUAN ; WONG SAU WAI ; VITEK JOHN MICHAEL ; WATKINS RONNIE WADE ; STONE FRANCES MARION JR ; ABBASI FARAZ ; BAI TAIXU ; BAKER RALPH STERMAN ; BASS RONALD M ; BEER GARY LEE ; BOND WIM ; BURNS DAVID ; CARTER ERNEST E JR ; D ANGELO CHARLES ; COLMENARES TULIO RAFAEL ; CARL FREDERICK GORDON JR ; BRADY MICHAEL PATRICK ; COIT WILLIAM GEORGE ; BRIGNAC JOSEPH P JR ; CHRISTENSEN DEL SCOTT ; COSTELLO MICHAEL ; COWAN KENNETH MICHAEL ; CHERRILLO RALPH ANTHONY ; HARRIS CHRISTOPHER KELVIN ; HINSON RICHARD A ; DE ROUFFIGNAC ERIC PIERRE ; HIRSHBLOND STEPHEN PALMER ; HALE ARTHUR HERMAN ; HARIHARAN PERINGANDOR RAMAN ; HERON GOREM ; GOEL NAVAL ; GOLDBERG BERNARD ; GINESTRA JEAN CHARLES ; DINORUK DENIZ SUMNU ; HAMILTON PAUL TAYLOR ; FOWLER THOMAS D ; FARMAYAN WALTER ; DEL PAGGIO ALAN ANTHONY ; DAVIDSON IAN ALEXANDER ; FAIRBANKS MICHAEL DAVID ; GRIFFIN PETER TERRY ; GILES STEVEN PAUL ; DIAZ ZAIDA ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; DOMBROWSKI ROBERT JAMES ; DEEG WOLFGANG ; GOODWIN CHARLES R ; SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B V

Inventor(s): (std): CARTER ERNEST E JR ; CHERRILLO RALPH ANTHONY ; CHRISTENSEN DEL SCOTT ; COIT WILLIAM GEORGE ; COLMENARES TULIO RAFAEL ; COSTELLO MICHAEL ; COWAN KENNETH MICHAEL ; D ANGELO CHARLES ; DAVIDSON IAN ALEXANDER ; DE ROUFFIGNAC ERIC PIERRE ; DEEG WOLFGANG ; DEL PAGGIO ALAN ANTHONY ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; DIAZ ZAIDA ; DINORUK DENIZ SUMNU ; DOMBROWSKI ROBERT JAMES ; FAIRBANKS MICHAEL DAVID ; FARMAYAN WALTER ; FOWLER THOMAS D ; GILES STEVEN PAUL ; GINESTRA JEAN CHARLES ; GOEL NAVAL ; GOLDBERG BERNARD ; GOODWIN CHARLES R ; GRIFFIN PETER TERRY ; HALE ARTHUR HERMAN ; HAMILTON PAUL TAYLOR ; HARIHARAN PERINGANDOR RAMAN ; HARRIS CHRISTOPHER KELVIN ; HERON GOREM ; HINSON RICHARD A ; HIRSHBLOND STEPHEN PALMER ; HORTON JOSEPH ARNO JR ; HSU CHIA FU ; JAISWAL NAMIT ; JOHN RANDY CARL ; KARANIKAS JOHN MICHAEL ; KELTNER THOMAS J ; KHODAVERDIAN MAHAMAD ; KIM DONG SUB ; KUHLMAN MYRON IRA ; LAMBIRTH GENE RICHARD ; LENKE ROBERT ; LI RUIJIAN ; MACDONALD DUNCAN ; MANDEMA REMCO HUGO ; MANSURE ALBERT J ; MARINO MARIAN ; MASON STANLEY LEROY ; MAZIASZ PHILIP JAMES ; MCKINZIE BILLY JOHN II ; MENOTTI JAMES LOUIS ; MILLER DAVID SCOTT ; MINDERHOUD JOHANNES KORNELIS ; MUDUNURI RAMESH RAJU ; MUNSHI ABDUL WAHID ; MUYLLE MICHEL SERGE MARIE ; NAIR VIJAY ; NELSON RICHARD GENE ; NGUYEN SCOTT VINH ; PINGO ALMADA MONICA M ; RICHARD JAMES JR ; ROES AUGUSTINUS WILHELMUS MARIA ; RYAN ROBERT CHARLES ; SAMUEL ALLAN JAMES ; SANDBERG CHESTER LEDLIE ; SANTELLA MICHAEL LEONARD ; SCHNEIBEL JOACHIM HUGO ; SCHOEER WILLEM JAN ANTOON HENRI ; SCHOELING LANNY GENE ; SHINGLEDECKER JOHN PAUL ; SIDDOWAY MARK ALAN ; SIKKA VINOD KUMAR ; SON JAIME SANTOS ; STEGEMEIER GEORGE LEO ; STONE FRANCES MARION JR ; VINEGAR HAROLD J ; VITEK JOHN MICHAEL ; WATKINS RONNIE WADE ; WONG SAU WAI ; XIE XUEYING ; ZHANG ETUAN ; ABBASI FARAZ ; BAI TAIXU ; BAKER RALPH STERMAN ; BASS RONALD M ; BEER GARY LEE ; BOND WIM ; BRADY MICHAEL PATRICK ; BRIGNAC JOSEPH P JR ; BURNS DAVID ; CARL FREDERICK GORDON JR

Inventor(s): CARTER ERNEST E ; BRIGNAC JOSEPH P

Agent(s): SMART AND BIGGAR; OGILVY RENAULT LLP SENCRL SRL; REINHOLD COHN AND PARTNERS; ONO SHINJIRO; HOSHINO OSAMU; TERACHI TAKUMI; TOMITA HIROYUKI; OKIMOTO KAZUAKI; TAGAMI YASUKO; KOBAYASHI YASUSHI

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: PROCESS AND APPARATUS FOR SILICON BOAT, SILICON TUBING AND OTHER SILICON BASED MEMBER FABRICATION

Abstract: Process, apparatus and application of silicon/silicon alloy/silicon compound comprising at least one silicon atom made epitaxial chamber and various silicon/silicon alloy/silicon compound comprising at least one silicon atom made tubing and liners is described here. Powder pressing, plasma and non plasma powder deposition, slurry deposition and slurry casting, silicon/silicon alloy casting and directional solidification are among few methods described here. Silicon/silicon alloy made articles and some of their applications in the wafer processing industry is also described.

Classifications:

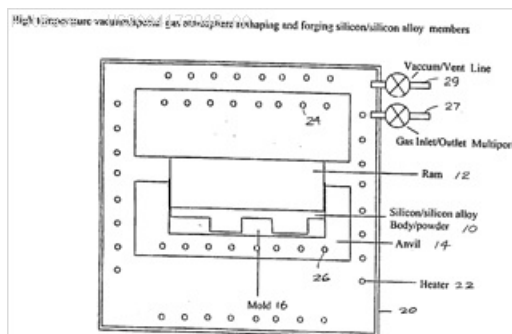
International (IPC 8-9): B22F3/17 B22F3/20 B22F3/22 B29C43/00 B29C43/16 B29C47/02 B29C47/54 B30B11/02 C23C16/24 C30B11/00 C30B23/06 C30B25/08 C30B29/34 C30B35/00 (Advanced/Invention); C30B11/00 C30B25/08 C30B35/00 (Core/Invention)

International (IPC 1-7): B22F3/17 B22F3/20 B22F3/22 B29C43/00 B29C43/16 B29C47/02 C03B C30B23/06 C30B29/34

CPC: B29K2303/04 C30B11/00 C30B25/08 C30B29/06 C30B35/00 C23C16/4581 B29C43/006 B29C47/0016 B29C47/0023 B29C47/54 B29K2303/06 B29K2503/04 B30B11/027 C23C16/4404

European: B29C43/00C B29C47/54 B30B11/02D C23C16/44A4 C23C16/458B C30B11/00 C30B25/08 C30B29/06 C30B35/00 L29K303/04 L29K303/06 L29K503/04

US: 264/109 264/109S 264/500 264/500P 427/583 427/583S 427/588 427/588P 427/589 427/589S



Family:

Publication number	Publication date	Application number	Application date
AU2002327648 AA	20030401	AU20020327648	20020919
CA2460996 AA	20040319	CA20022460996	20020919
US2004173948 AA	20040909	US20040804152	20040319
US2007172603 AA	20070726	US20070689685	20070322
WO03024876 A2	20030327	WO2002US29516	20020919
WO03024876 A3	20030522	WO2002US29516	20020919

Priority:

US20010323098P 20010919 US20010336712P 20011207 WO2002US29516 20020919
US20040804152 20040319 US20070689685 20070322

Probable Assignee: SINGLE CRYSTAL TECHNOLOGIES INC

Assignee(s): (std): PANDELISEV KIRIL A ; PHOENIX SCIENT CORP

Assignee(s): PHOENIX SCIENTIFIC CORP ; SINGLE CRYSTAL TECHNOLOGIES INC

Inventor(s): (std): PANDELISEV KIRIL A

Inventor(s): KIRIL A PANDELISEV ; PANDELISEV KIRIL

Agent(s): R WILLIAM WRAY AND ASSOCIATES; CERMAK AND KENEALY LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

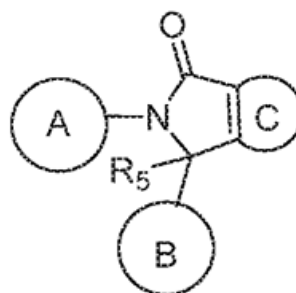
Title: PYRAZOLOPYRROLIDINE DERIVATIVES AND THEIR USE IN THE TREATMENT OF DISEASE

Abstract: The present invention provides a compound of **formula (I)** or a pharmaceutically acceptable salt thereof; a method for manufacturing the compounds of the invention, and its therapeutic uses. The present invention further provides a combination of pharmacologically active agents and a pharmaceutical composition.

Classifications:

International (IPC 8-9): A61K A61K31/4162 A61K31/4192
A61K31/4196 A61K31/42 A61K31/423 A61K31/437 A61K31/44
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A61P35/00 A61P35/02 A61P43/00 A61P9/10 C07D C07D207/44
C07D213/02 C07D231/10 C07D231/56 C07D237/04 C07D261/20
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A61K31/00 A61K31/4162 A61P35/00 C07D487/00
C07D487/04 (Core/Invention);
A61P35/00 (Core/Non-invention);
A61K A61P C07D (Subclass/Invention)
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US: 514/210.18 514/210.21 514/248 514/252.06 514/274 514/300
514/303 514/338 514/379 514/406 544/236 544/238 544/310
546/117 546/119 546/275.7 548/241 548/261 548/360.1

PatBase - WO14191896_A1



(I)

Family:

Publication number	Publication date	Application number	Application date
AP201508849 A0	20151130	AP20150008849	20140526
AR096435 AA	20151230	AR2014P102084	20140527
AU2014272776 AA	20141204	AU20140272776	20140526
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SI3004110 T1	20171130	SI20140030425T	20140526
TH169811 A	20171027	TH20151007058	20140524
TR201716510 T4	20171221	TR20170016510T	20140526
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Priority:

EP20130016936 20130527	EP20130169364 20130527	EP20130017767 20130723
EP20130177673 20130723	WO20141B61717 20140526	EP20140731799 20140526

Probable Assignee: NOVARTIS AG

Assignee(s): (std): BLANK JUTTA ; BORDAS VINCENT ; COTESTA SIMONA ; GUAGNANO VITO ; RUEEGER HEINRICH ;
VAUPEL ANDREA ; NOVARTIS AG ; NOVARTIS INT AG ; NANO VITO

Assignee(s): NOVARTIS PHARMA AG

Inventor(s): (std): BLANK JUTTA ; BORDAS VINCENT ; COTESTA SIMONA ; GUAGNANO VITO ; RUEEGER HEINRICH ;
VAUPEL ANDREA ; VITO GUAGNANO ; VINCENT BORDAS ; SIMONA COTESTA ; JUTTA BLANK ;
HEINRICH RUEEGER ; GAUGNANO VITO ; ANDREA VAUPEL

Inventor(s): COT EST A SIMONA

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; RODRIGO
MARRE GREZ; CARLOS REINALDO OLARTE GARCIA; STRANG ANDREA JOSEPHINE; CARVAJAL Y
ISABEL; BUDI RAHMAT SH; OHMORI NORIO; KOBAYASHI HIROSHI; YESIM METIN; SCOTT W;
NOVARTIS AG

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
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MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG
SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: POLYMORPHIC **FORM** OF RIMONABANT METHOD FOR PREPARING IT AND PHARMACEUTICAL COMPOSITIONS CONTAINING IT

Abstract: The present invention relates to a novel crystalline polymorph of rimonabant, its method of preparation and the pharmaceutical compositions containing this novel polymorph.

Classifications:

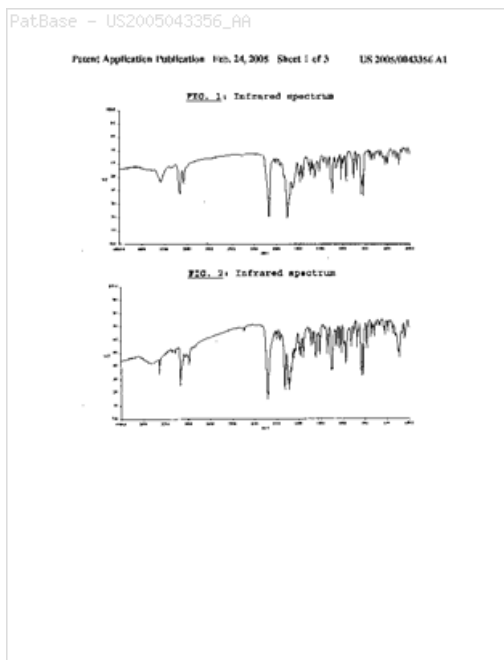
International (ipc 8-9): A61K31/415 A61K31/4155 A61K31/45 A61K31/454 A61K31/455 A61P25/02 A61P25/06 A61P25/08 A61P25/14 A61P25/16 A61P25/18 A61P3/04 A61P35/00 A61P43/00 C07D231/14 C07D401/02 C07D401/10 C07D401/12 (Advanced/Invention); A61K31/454 C07D401/10 (Advanced/Non-invention); A61K31/415 A61K31/4155 A61K31/45 A61K31/4523 A61K31/455 A61P3/00 A61P35/00 A61P43/00 C07D231/00 C07D401/00 (Core/Invention); A61K31/4523 (Core/Non-invention)

International (ipc 1-7): A61K A61K31/415 A61K31/4155 A61K31/454 A61K31/455 A61K35/00 A61P A61P35/00 A61P43/00 C07D C07D231/14 C07D231/14 C07D401/04 C07D401/10 C07D43/02

CPC: C07D231/14

European: C07D231/14

US: 514/326 546/211 546/211S



Family:

Publication number	Publication date	Application number	Application date
AP1830 A	20080222	AP20040003024	20021104
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CN100412063 C	20080820	CN20028021968	20021104
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RS36904 A	20061027	YU20040000369	20021104

TH62564 A	20040623	TH20021004128	20021106
TNSN04079 A1	20060601	TN2004SN00079	20040507
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US2010190827 AA	20100729	US20080259701	20081028
WO03040105 A1	20030515	WO2002FR03765	20021104
ZA200402999 A	20050420	ZA20040002999	20040420

Priority:

FR20010014579 20011108 JP20030542151 20021104 WO2002FR03765 20021104
JP20030542151T 20021104 US20040494211 20041012 US20080259701 20081028

Probable Assignee: SANOFI AVENTIS

Assignee(s): (std): ALCADÉ ALAIN ; ANNE ARCHARD GILLES ; GAVORY CORINNE ; SANOFI AVENTIS ; SANOFI SYNTHELABO ; SANOFY AVENTIS ; SANOFI SYNTHALEBO ; MONNIER OLIVIER ; SANOFI SA ; SANOFI AVENTIS SA

Assignee(s): SANOFI ; SANOFI-AVENTIS ; LABORATOIRES GOUPI SA

Inventor(s): (std): MONNIER OLIVIER ; GILLES ANNE ARCHARD ; GAVORY CORINNE ; CORINNE GAVORY ; ARCHARD GILLES ANNE ; ANNE ARCHARD GILLES ; ANNE ARCHARD JILLES ; ANNE ARCHARD GILLES ; ANNE ARCHARD GILLES ; OLIVIER MONNIER ; ALCADÉ ALAIN ; ALAIN ALCADÉ

Inventor(s): MONNIER OLIVIER ; GAVORY CORRINE ; MONNIER OLIVER ; ALCADÉ ALAIN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; KIRBY EADES GALE BAKER; HARNECKER; JOSE ANTONIO LLOREDA; SANOFI; SANFORD TCOLB AND CO; NOGAWA SHINTARO; PATENT DEPARTMENT SANOFI SYNTHELABO INC; ANDREA Q RYAN SANOFI AVENTIS US LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: WAFER BINDING METHOD AND APPARATUS

Abstract: The present invention relates to a method and an apparatus (1) for automatically binding a silicon wafer (6) to a carrier plate (7). In the binding method of the present invention, the wafer (6) is positioned underneath the carrier plate (7) and then lifted and bonded to the carrier plate (7), at or below atmospheric **pressure**; once this is accomplished the process returns to the previous **pressure**. In addition, in the apparatus (1) which performs this process, by means of a carrier means (5) which supplies the carrier plate (7) and wafer (6) to the location where binding is to be carried out, the binding surface of the carrier plate (7) and wafer (6) are turned upward, transported and the carrier plate (7) is flipped around in the interval between the carrier plate transportation apparatus and the binding unit.

Classifications:

International (IPC 8-9): B23Q3/08 B24B37/04 B24B37/30 B24B37/34 H01L21/00 H01L21/304 H01L21/673 H01L21/683 (Advanced/Invention)

International (IPC 1-7): B23Q3/08 B24B37/04 B32B31/00 H01L21/00 H01L21/00 H01L21/304 H01L21/68

CPC: Y10T156/17 Y10T156/1744 H01L21/67092 B24B37/345 H01L21/67028 H01L21/67173 H01L21/67313 H01L21/67326 H01L21/68771

European: B24B37/34F H01L21/673B H01L21/673D H01L21/67S2D4 H01L21/67S2F H01L21/67S2Z2L H01L21/687S16

US: 134/66 134/76 156/153 156/154 156/285 156/286 156/382 156/493 156/538 156/556 451/460 51/131.1 51/277 51/281R

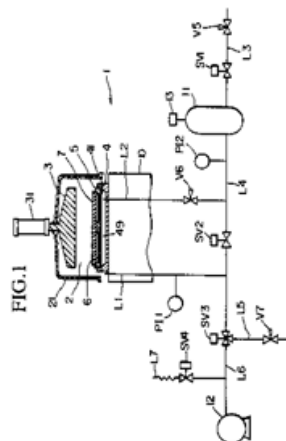
PatBase - US5254205_A

U.S. Patent

Oct. 19, 1993

Sheet 1 of 35

5,254,205

**Family:**

Publication number	Publication date	Application number	Application date
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US5254205 A	19931019	US19910800833	19911129
US5310441 A	19940510	US19930076204	19930614

Priority:

JP19900334104 19901130 US19910800833 19911129 US19930076204 19930614

Probable Assignee: MITSUBISHI MATERIALS CORP

Assignee(s): (std): MITSUBISHI MATERIAL SILICON ; MITSUBISHI MATERIALS CORP ; MITSUBISHI MATERIALS SILICON C ; NIPPON SILICONE KK

Assignee(s): MITSUBISHI MATERIARU SHIRIKON KK ; MITSUBISHI MATERIARU KK ; MITSUBISHI MATERIALS SILICON CORP TOKIO TOKYO JP ; MITSUBISHI MATERIALS SILICON COPORATION ; MITSUBISHI MATERIALS SILICON CORP ; MITSUBISHI MATERIALS CORP TOKIO TOKYO JP ; JAPAN SILICON CO LTD

Inventor(s): (std): KOYAMA MITSUJI ; KOYAMA MITSUZI ; MATSUMOTO TATSUMI ; TSUTSUMI YUKIO ; TAKAHASHI KEISUKE ; TAKAHASHI KEISKE ; TAKAHASHI KEISUKE

Inventor(s): TAKAHASHI KEISUKE C O MITSUBISHI MATERIALS ; TAKAHASHI KEISUKE C O MITSUBISHI MATERIALS CHIYODA KU TOKYO JP ; TSUTSUMI YUKIO C O MITSUBISHI MATERIALS ; TSUTSUMI YUKIO C O MITSUBISHI MATERIALS CHIYODA KU TOKYO JP ; TSUTSUMI YUKIO C O MITSUBISHI MATERIALS CHIYODA KU ; TAKAHASHI KEISUKE C O MITSUBISHI MATERIALS CHIYODA ; MATSUMOTO TATSUMI C O MITSUBISHI MATERIALS CHIYODA ; KOYAMA MITSUZI C O MITSUBISHI MATERIALS CHIYODA KU ; MATSUMOTO TATSUMI C O MITSUBISHI MATERIALS ; MATSUMOTO TATSUMI C O MITSUBISHI MATERIALS CHIYODA KU TOKYO JP ; KOYAMA MITSUZI C O MITSUBISHI MATERIALS ; KOYAMA MITSUZI C O MITSUBISHI MATERIALS CHIYODA KU TOKYO JP

Designated states: DE FR GB IT

Title: GC QCMEHC NUCLEAR POWER PLANTS

Abstract: Globose-conduit (GC) perimeter boundaries **formations** mass energy highest conserving (MEHC) Sets, balanced nuclear power plants, in millennium lifespan generate safest environmentally most friendly electric power; said perimeter boundaries' **formations**, multiple and serial enclosures, constitute a globose foundation globose reactor vessel, a containment building with a lower perimeter ancillary annex building for multiple primary **coolant** loops, light water reactors **pressurized** system, GC conduit tuned piping mass energy processes and buildings complex, boundaries safely closed perimeters. Two or four globose steam generators/separators two or four high **pressure** pumps' **coolant** loops and the reactor's support equipment floors in the annex building outside of the containment symmetrically align high **pressure** and temperature GC MEHC boundaries respectively two or four processes generated electrons turbine-generator buildings. The reactor, steam generators, processes piping and turbine-generators make GC mass energy **formations**.

Classifications:

International (IPC 8-9): G21C1/00 (Advanced/Invention)

CPC: G21C15/00 G21D1/006 Y02E30/40

European: G21C15/00 G21D1/00C Y02E30/40

US: 376/347 376/347P

Family:

Publication number	Publication date	Application number	Application date
US2010208860 AA	20100819	US20090320441	20090126

Priority:

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US19990123504P	19990309	US19990376957	19990818	US20000518884	20000306
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US20020195668	20020715	US20030742485	20031219	US20040840152	20040505
US20040869752	20040616	US20050028982	20050103	US20050188339	20050725
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US20070724752	20070315	US20070807748	20070530	US20070809132	20070531
US20070788172	20070604	US20080153036	20080513	US20090320441	20090126

Probable Assignee:

PETROVICH SVETZAR B

Assignee(s): (std):

PETROVICH SVETZAR B

Inventor(s): (std):

PETROVICH SVETZAR B

Agent(s):

SVETOZAR B PETROVICH

Title: METHOD AND DEVICE FOR THERMAL RECASTING OF **PRESSURE**-HARDENED CASTING COMPONENTS MADE OF SHEET **METAL**

Abstract: Source: EP2233593A3 [DE] Die Erfindung betrifft ein Verfahren und eine Warmumformanlage zur Herstellung von **pressgehaerteten Formbauteilen** aus Stahlblech, mit einem Ofen (8), mittels dem warm umzuformendes Stahlblech zumindest partiell auf Ausenitisierungstemperatur erhitzbar ist, und einer **Pressanlage** (10) zum Warmumformen und **Presshaerten** des im Ofen erhitzten Stahlblechs. Um die Nutzung vorhandener **Pressenkapazitaeten** zu ermöglichen und eine hohe Hubzahl und damit eine hohe Produktivitaet zu erzielen, sieht die Erfindung vor, dass dem Ofen (8) eine Erhitzungsvorrichtung (7) vorgeordnet ist, mittels der Stahlblech (2) zumindest partiell auf eine Temperatur unterhalb der Austenitisierungstemperatur, vorzugsweise auf eine Temperatur im Bereich von 500 bis 700 degrees centigrade erhitzbar ist, und dass die **Pressanlage** (10) mehrstufig ausgebildet ist, wobei ein erster Teil (10.1) der **Pressanlage** (10) mindestens ein erstes Werkzeug zum Warmumformen und Kuehlen des im Ofen (8) erhitzten Stahlblechs aufweist, und ein nachfolgender Teil (10.2) der **Pressanlage** (10) mindestens ein zweites Werkzeug zum weiteren Kuehlen des warm umgeformten Stahlblechs aufweist, und wobei das zweite Werkzeug das warm umgeformte Stahlblech weiter umformt, beschneidet und/oder locht.

Classifications:

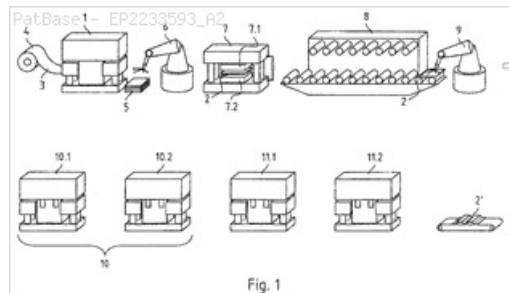
International (ipc 8-9): B21D22/02 B21D37/16 B21J5/00 B21J5/06 C21D1/673 (Advanced/Invention);

B21J5/00 B21J5/06 (Core/Invention)

CPC: C21D1/673 B21D22/022 B21D37/16 C21D2221/00

European: B21D22/02 B21D22/02H B21D37/16 C21D1/673

M21D221/00



Family:

Publication number	Publication date	Application number	Application date
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EP2233593 A3	20110406	EP20100157673	20100325
EP2233593 B1	20130220	EP20100157673	20100325

Priority:

DE200910014670 20090327 EP20100157673 20100325

Probable Assignee: GMF UMFORMTECHNIK GMBH

Assignee(s): (std): GMF UMFORMTECHNIK GMBH ; THYSSENKRUPP SOFEDIT S A S ; THYSSENKRUPP UMFORMTECHNIK GMB ; THYSSENKRUPP UMFORMTECHNIK GMBH

Assignee(s): THYSSENKRUPP SOFEDIT SAS

Inventor(s): (std): ANQUETIL STEPHANE ; LETY JEAN JACQUES ; OVERRATH JENS ; OVERRATH JENS DR ; STRAUBE OLIVER ; STRAUBE OLIVER DR

Agent(s): COHAUSZ AND FLORACK PATENT U RECHTSANWAELTE PARTNERSCHAFTSGESELLSCHAFT MBB; COHAUSZ AND FLORACK; Cohausz &, Florack

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: BIOLOGISCHER RAUMFILTER (PFLANZENFILTER)

Abstract: Source: DE20116953U1 [DE] (Claim 1) a) der Ausfuehrungen der Einrichtung mit Umtopf (2) als Aussengefaess (1) (= Fig. 1 + 3a), und b) mit Aussengefaess (1) mit Umtopf (2) (= Fig 2) vorgesehen ist; und B) dass hierfuer geeignete Mittel vorgesehen sind, wie a) ein Sicherungs-Einsatzgefass (30a), das-im Abstand (9b2) zum Hauptgefassaussenschaft (1a, C) dass fuer diese Emrichtungsausfuehrung (ca 1-33) a) wenigstens em Luefter (6/7/16f2) vorgesehen ist und/oder

Classifications:

International (IPC 8-9): B01D53/00 B01D53/84

F24F3/16 (Advanced/Invention);

B01D53/84 F24F3/16 (Core/Invention)

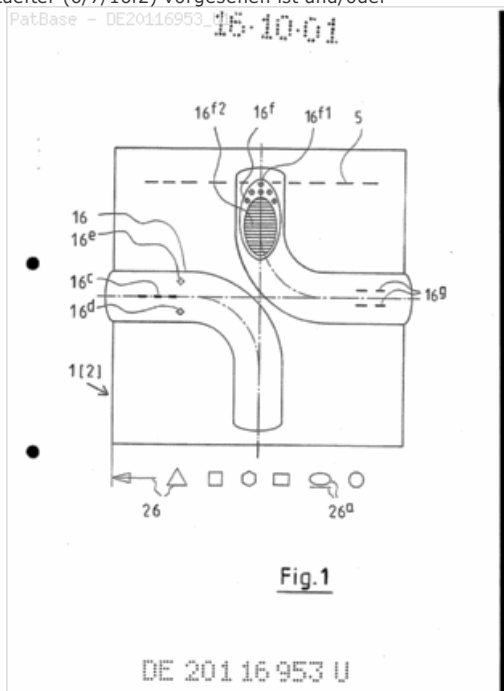
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F24F2003/1653 F24F3/16 B01D53/85 B01D2259/4508

European: B01D53/84 B01D53/85 F24F3/16 F24F3/16B

L01D259/45B L01D53/84 R24F3/16B25



Family:

Publication number	Publication date	Application number	Application date
DE10231041 A1	20101209	DE20021031041	20020709
DE20116953 U1	20020110	DE20012016953U	20010820

Priority:

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DE20021004633 20020205	DE20021007015 20020219	DE20021021676 20020516
DE20021024113 20020529	DE20021024535 20020531	DE20021026155 20020612
DE20021031041 20020709		

Probable Assignee:

BLOCK HUBERT K

Assignee(s): (std):

BLOCK HUBERT K

Inventor(s): (std):

BLOCK HUBERT K

Title: METHOD AND APPARATUS FOR SHAPING SEMISOLID **METALS**

Abstract: A method of shaping a semisolid **metal** to provide shaped parts which are produced in a convenient, easy and inexpensive manner, without relying upon the conventional mechanical or electromagnetic agitation. The method includes feeding, without using a **cooling** jig, into an insulating vessel, a molten alloy containing an element for promoting generation of crystal nuclei and being held to be superheated to less than 100 degrees centigrade above a liquidus temperature of the alloy; maintaining the molten alloy in the insulating vessel for 5 seconds to 60 minutes as the alloy is **cooled** at a **cooling** rate of 0.01 degrees centigrade /s to 3.0 degrees centigrade /s thereby crystallizing fine primary spherical crystals in an alloy solution containing a specified **liquid** fraction; and feeding the alloy solution into a **forming** mold for shaping the alloy under **pressure**.

Classifications:

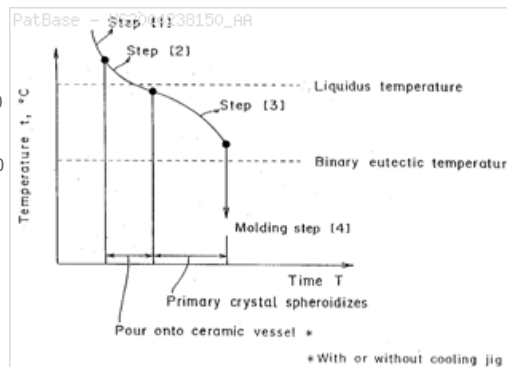
International (IPC 8-9): B22D1/00 B22D17/00 B22D17/20 B22D17/22 B22D17/30 B22D18/02 B22D21/04 B22D27/04 B22D27/20 B22D41/00 B22D41/005 B22D43/00 B22D45/00 C22C1/00 C22C1/02 C22C21/00 C22C21/02 C22C21/06 C22C21/10 C22C23/00 (Advanced/Invention); B22D17/00 C22C21/00 C22C23/00 (Advanced/Non-invention); B22D1/00 B22D17/20 B22D17/22 B22D17/30 B22D21/00 B22D41/00 B22D41/005 B22D43/00 B22D45/00 C22C1/02 C22C21/00 C22C21/02 C22C21/06 C22C21/10 C22C23/00 (Core/Invention); B22D17/00 C22C21/00 C22C23/00 (Core/Non-invention)

International (IPC 1-7): B22D1/00 B22D17/00 B22D17/08 B22D17/20 B22D17/22 B22D17/30 B22D18/02 B22D21/04 B22D23/00 B22D25/00 B22D27/04 B22D27/08 B22D27/20 B22D41/005 B22D43/00 B22D45/00 C22C1/00 C22C1/02 C22C21/00 C22C21/02 C22C21/06 C22C21/10 C22C23/00 C22F1/04

CPC: Y10S164/90 C22C1/005 B22D17/007

European: B22D17/00S C22C1/00D

US: 148/538 148/549 148/549S 164/113 164/113S 164/122 164/127 164/71.1 164/711 164/900 164/900S

**Family:**

Publication number	Publication date	Application number	Application date
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JP9087770 A2	19970331	JP19950249482	19950927
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US2004238150 AA	20041202	US20040852952	20040524
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US7121320 BB	20061017	US20040008749	20041209

Priority:

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US20040008749 20041209		

Probable Assignee: UBE IND LTD

Assignee(s): (std): UBE INDUSTRIES ; UBE IND

Assignee(s): YOSHIDA ATSUSHI ; SATO SATORU ; ADACHI MITSURU ; HARADA YASUNORI ; SAKAMOTO TATSUO ; SASAKI HIROTO ; UBE IND LTD ; UBE INDUSTRIES LTD

Inventor(s): (std): ADACHI MITSURU ; HARADA YASUNORI ; SASAKI HIROTO ; YOSHIDA ATSUSHI ; SATO SATOSHI ; SATO SATORU ; SAKAMOTO TATSUO

Agent(s): RICHES MCKENZIE AND HERBERT LLP; FRISHAUF HOLTZ GOODMAN AND CHICK PC

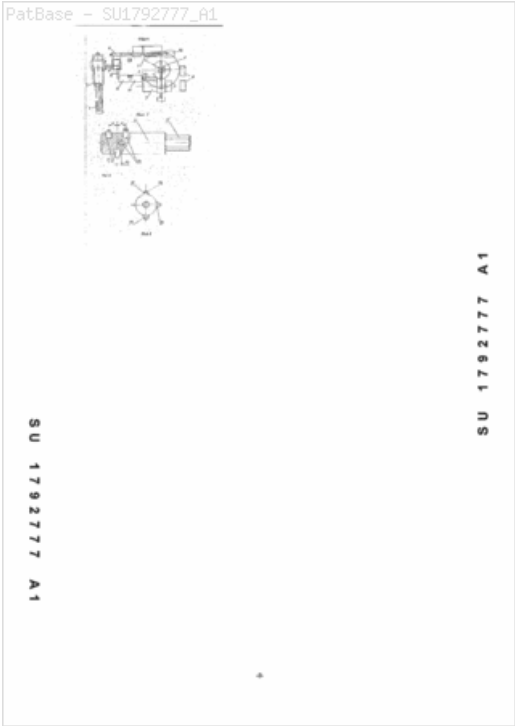
Designated states: DE FR GB IT

Title: LINE FOR MAKING CONNECTING PARTS WITH INNER SCREW GROOVE

Abstract: Source: SU1792777A **Machine translation:** | The present invention relates to the production of building materials and **metal forming** and can be used in the production of anomalous zone connecting elements for mounting reinforcing sr zh screw profile in the process of otvleni concrete products and structures. Known lines for rolling joints, with-stand with dezhascha mnogovalkovym caliber and its attachment mechanism with springs where iztselie obtained by rolling the hollow Zago-TOJKM profiled on the mandrel, followed by removal of the latter by vvinchivani. , disadvantage of the known line is the poor quality of the threaded profile, due to the lack of synchronization of rotation of the roll cage sfrostey and profiled mandrel. | known line for manufacturing the **hot** nuts method comprising the device parties for receiving initial blanks, induction heater, vysadochnyj machine, nut-tapping machines and assembly line ready for nuts. However, this line is not enough productive and does not provide the desired level of mechanical properties of the finished product. closest to the proposed line is for producing nuts **hot** method comprising apparatus for receiving batches starting blanks, induction heater, vysadochnyj machine, nut-tapping machines and assembly line ready for the nuts of cradle conveyor with a closed vertical track, consistently placed between landing and nut-tapping machine guns ventilated chamber air **cooling** and **liquid cooling** bath, as well as the boot device of cradle conveyor. 4 S 10 VI vj v | Known line allows to increase productivity, the line without affecting the mechanical properties, reducing the operating reliability of nuts. object of the invention is to increase the technological capabilities by improving the thermal coupling elements directly in the manufacturing process cycle, For this line, comprising the sequence set forth in technological rack for receiving tube blanks, machine for pre-processing of blanks, induction heater with a feeder, conveyor transport, binding hundred knock-pretreating with charging heater machine for **forming** said groove chamber air **cooling** products for-bath was Culshaw, storage of finished products and a control system is provided with transport industrial **robot** for transferring the blanks from the heater to the camp to **form** said groove, additional transport conveyor and storage of finished products, established in the zone discharge of an induction heater, with the longitudinal axis of the conveyor is optional parallelnogprodolnoy axis rack and boot portion coupled to the main storage of finished products, and unloading area with a feeder heater, and the quench bath is placed between the primary storage of finished products and the chamber air **cooling** products. Further air **cooling** chamber may be mounted coaxially in the container of the machine for **forming** said groove. Compared with the prototype being offered line has the following distinctive features. Further provided with transport lines industrial **robot** for moving workpieces from the heater to a machine for **forming** the inner spiral groove additional transport conveyor and storage of finished product, installed in the discharge area on the induction grevatey, wherein the longitudinal axis of the additional conveyor is arranged parallel to the longitudinal axis of the rack portion and the boot conjugated wives with the main storage of finished products, and unloading area with a feeder heater, and the quench bath is placed between the primary storage of finished products and the chamber air **cooling** products. Further air **cooling** chamber may be mounted coaxially in the container of the machine for **forming** said groove. Essence technical solution consists in that the lines being offered, comprising. known and additional units at their particular location has increased technological capabilities of improvement due to thermal coupling elements directly in the manufacturing process cycle. By providing favorable tnoj structure perimeter screw ka5 grooves in the process of **forming** and thermal improvement of all non-article. directly in the production cycle is provided to enhance the operational reliability of the connecting elements, 0 To accomplish such basic units improve thermal line including conveyor, the induction heater. Retrieve full-time device, a **robot** for supplying heated blank, **forming** machine helical groove 5, the air **cooling** chamber and the quench bath are installed in a closed sequence, which allows to heat the workpiece in its mounting machine screw extrusion 0 grooves podstuzhivanie workpiece quenching and tempering in one technological cycle. In this induction heater used. polzuets twice, in the first instance to heat preforms in the second - to dispense finished products 5. Fig. 1 shows a manufacturing line for being offered connecting members to the inner groove, a plan view, Fig. 2 and 3 - with a **forming** mandrel 0 relief Fig. A-A of the container for fixing the heated preform and moving the machine **forming** the inner grooves, Fig. 5 - section A-A in Fig. A. Line 1 comprises a rack for receiving 5 games original billets, machine 2 pretreatment transmitted accurate conveyor 3, 4 automatic loading device, induction heater 5. After the heater ustanov0 flax **robot** 6 for supplying the heated billet 7 to the extrusion machine of the groove. The operation of the **robot** and the machine for **pressing** thread is performed automatically, NC or May 8. 9 air **cooling** system is located in front of the quenching bath. In one case the air **cooled** system is **formed** as an inclined cylindrical cavity, placed in another directly machined grooves for extruding (COOQHO container). After air **cooling** system installed quench anna 10. Drives finished products installed for quenching bath 10 (11 primary drive) and an induction heater 5 (optional accumulative telts 12). With the longitudinal axis of the complement lnogo conveyor 31 is positioned pairs; 1llelno longitudinal axis rack and contaminated / dressing portion coupled to the main storage of finished products 11 and unloading area with a feeder heater 4, ie main aggregates line: automatic loading device, induction heater, the **robot** for coupling their heated preform machine for issuing / Ivani groove chamber air **cooling** quench bath, storage of finished products and the additional conveyor vcTaHOBneHbi a closed track. To expel helical groove is used a \$ 1.3 mandrel. representing the a rod diameter of 3-4 mm less di pa holes workpiece on the work in which there are completely interchangeable conductor elements 14 along the helix, Ameri faiths: **pressure** step which corresponds to a given p. Dove conductor elements are a solid doflavnye ear rims type BK-J20, which **form** the working surface, gradually approach the **form** of a helical groove profile. The opposite end of the mandrel 15 has a hex shank for zafiksirovanna spindle flock. The conveyor is a split housing 16 mounted on a support machine instead of the toolholder. In the body of the container is positioned two removable liner 17 **forming** a hexagonal hole 1.8, the dimensions of which correspond to the size of the **hot** items, taking into account (by God for her gap-free installation. The rear in relation to the spindle side of the container has a removable cheek 19 to stop workpieces 20. Process **forming** thread (helical groove) on an inner surface of the preform is performed as follows.. -, caliper machine container and Zago-ing | Coy starts to move in the direction to the rotating spindle, wherein the mandrel is installed. Container nadvigaets workpiece on a rotatable mandrel, whereby the coil is **formed** by the groove on the inner surface of the workpiece. Thus the caliper move the container at a predetermined rate, provides the required pitch helical grooves appropriate step to prevent common elements of the machining tool. Upon completion of the extrusion operation, when coming out of 5 Thread penultimate **pressure** pad, are carried out stop and reverse the machine. During rotation of the spindle in the opposite direction of the mandrel is extracted from the product and pushing 0 container center tailstock slide during the return. The line operates as follows. Hexagonal tubes stacked on rack 1 for receiving the original parties 5 tube blank, then the machine 2 are performed preliminary tasks - calibration hole chamfering and a segment of a given length harvesting. Next, the workpiece 3 by the transfer conveyor to arrive 0 automatic charging device of an induction heater 4 5, wherein the workpiece by means of the pusher are set individually in the inductor, and are heated to a temperature of **hot** plastic deformation. Kont5 role heating temperature is effected by means of automatic regulation and instruments imeyuschimis as part of an induction heater. Further **robot** using a L b osuschestv0 heated preform transfer machine 7 for **forming** a spiral groove, and installing it in the container 16. 8, by means of automation (cabinets CNC unit) is turned on mechanisms 5 rotating mandrel and a **forming** a relief in the direction of container movement of the mandrel 13. Upon completion of the ready-.vydavlivani element is pushed in air **cooling** and 9, 0 Subscribe by moving the inclined cylindrical cavity enters the quench bath 10. The air **cooling** is provided by a fan, which is periodically turned on when moving che5 cut cavity. The quenching bath 10 is a container to a conduit for supplying and discharging the **cooling** fluid (water or other), a conveyor for refrigerated products. After **cooling**, the product 0 fall into the drive 11. The connecting elements are **cooled** only with the purpose of reducing the scale **formation** (without stiffening heat treatment) is not subjected to further processing. When manufacturing 5 coupling elements with high mechanical properties, when the process of embossing the grooves is effected only inner surface **cooling** air flow in the product residence time of the product in the container. When moving through the cavity of the last flow of air is not supplied. In this case, during **cooling** of the article in bath 10 are subjected to quenching. With the accumulation of a certain number of hardened products, manufactured their transfer conveyor to the loading device P1 A and further induction heater 5. When passing through the heater and the article are heated repeatedly subjected to tempering, after which skladiuyuts in the storage 12. Location equipment on a closed road permits the OTF fo rm in a l o b s and p e n is 1. A line for manufacturing the connecting members with internal helical groove installed in a process comprising a sequence of pipe rack for receiving workpieces, a machine for pre-processing workpieces, with an induction heater. boot device, transport conveyor, binding machine for pretreatment with charging heater machine for **forming** said groove. chamber air **cooling** products, quenching bath, storage of finished products and the control system, and on t h a l u-u and the fact that in order to increase technological capabilities by improving the thermal coupling elements directly in the cycle manufacturing process, it is equipped with businesslike process step holiday finished products without additional unit (induction heater), which reduces the power consumption of the equipment and

reduces the production area of the line. ... being offered provides manufacturing lines connecting elements internal spiral groove with enhanced operational reliability and designed for splicing high-strength reinforcing steel screw relief. transport industrial robot for moving workpieces from the heater to a machine for forming said groove, additional transport conveyor and storage of finished product, installed in the discharge area of the induction heater, while the longitudinal axis of the additional conveyor is arranged parallel to the longitudinal axis of the rack and the disk portion thereof conjugated wives with the main storage of finished products, and unloading section - with charging the heater, and the quench bath is placed between the main drive ready-made products and the chamber air cooling products. 2. Line according to claim 1 of m and n and w u h and that the air cooling chamber mounted coaxially with the longitudinal axis of the main conveyor behind the container of the machine for forming said groove. LLLZ6LI Fig. 4

Classifications:
International (IPC 8-9): B21D43/00 (Advanced/Invention);
B21D43/00 (Core/Invention)
International (IPC 1-7): B21D43/00



Family:

Publication number	Publication date	Application number	Application date
RU1792777 C	19930207	SU19914951315	19910627
SU1792777 A1	19930207	SU19914951315	19910627

Priority:
SU19914951315 19910627

Probable Assignee: IVCHENKO ALEKSANDR V
Assignee(s): (std): IVCHENKO ALEKSANDR V ; NATAPOV ARKADIJ S ; SOVA VASILIJ G ; TKACH MIKHAIL B
Assignee(s): SOVA VASILIJ G SU ; TKACH MIKHAIL B SU ; NATAPOV ARKADIJ S SU ; IVCHENKO ALEKSANDR V SU
Inventor(s): (std): IVCHENKO ALEKSANDR V ; NATAPOV ARKADIJ S ; SOVA VASILIJ G ; TKACH MIKHAIL B
Inventor(s): TKACH MIKHAIL B SU ; SOVA VASILIJ G SU ; NATAPOV ARKADIJ S SU ; IVCHENKO ALEKSANDR V SU

Title: A METHOD FOR THE APPLICATION AND MODELLING OF SEAL ELEMENTS IN A MATERIAL EXTRUDED ONTO THE SURFACES OF FLAT OR CURVED SHEETS, AND AN APPARATUS SUITABLE TO CARRY OUT SAID METHOD

Abstract: A method for applying and modelling seal members constituted of an extruded material onto surfaces of flat or curved sheets is described, the method is characterised in that it comprises the following steps: positioning a sheet (3) to be fitted with a seal member in proximity to a seal member extruding device (1, 16); positioning said extruding device (1, 16) over the sheet (3); extruding a seal member (2) of polymerising material and continuously depositing it on the portion of the sheet (3) that is to be sealed; cutting said seal member (2) of extruded material following the extrusion thereof and before it is deposited on the sheet (3) and in any case before polymerisation thereof takes place, using cutting means (5, 6, 7, 9, 10); and joining and rendering integral with each other the respective initial and final ends of the extruded seal member (2) on the sheet (3), so that one end abuts with the other, using modelling means (8, 13). Furthermore, is disclosed an apparatus for the abovementioned method.

Classifications:

International (IPC 8-9): B29C47/02 B29D99/00 B60J10/00

B60J10/02 (Advanced/Invention);

B29C47/02 B29D99/00 B60J10/00 B60J10/02 (Core/Invention)

International (IPC 1-7): B29D31/00 B60J10/00 B60J10/00 F16J15/00 F16J15/00 F16J15/00

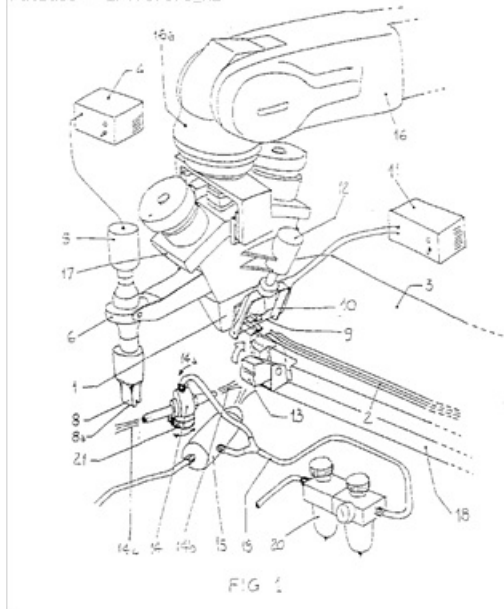
CPC: B29D99/0053 B29C47/003 B29C47/026 B29L2031/26

B60J10/2335 B60J10/45 B60J10/70

European: B29C47/02C2 B29D99/00K B60J10/00 B60J10/00D3B2

B60J10/00G10 B60J10/02 L29L31/26

PatBase - EP0787576_R2



Family:

Publication number	Publication date	Application number	Application date
DE69707936 D1	20011213	DE19976007936	19970124
DE69707936 T2	20020620	DE19976007936T	19970124
EP0787576 A2	19970806	EP19970830017	19970124
EP0787576 A3	19971229	EP19970830017	19970124
EP0787576 B1	20011107	EP19970830017	19970124
ES2168596 T3	20020616	ES19970830017T	19970124
IT1283895 B1	19980507	IT1996RM00048	19960125
ITRM960048 A0	19960125	IT1996RM00048	19960125
ITRM960048 A1	19970725	IT1996RM00048	19960125

Priority:

IT1996RM00048 19960125 IT1996RM00048 19960125

Probable Assignee: TAI TECNOLOGIA AUTOMAZIONE INN

Assignee(s): (std): TAI TECNOLOGIA AUTOMAZIONE IN ; TAI TECNOLOGIA AUTOMAZIONE INN ; TAI BR TECNOLOGIA AUTOMAZIONE

Assignee(s): TAI BR TECNOLOGIA AUTOMAZIONE INNOVAZIONE BR SOCIETA PER AZIONI ; TAI BRTECNOLOGIA AUTOMAZIONE INNOVAZIONE BRSOCIETA ; CECCHI LUCIANO ; CHINES GIUSEPPE ; TAI TECNOLOGIA AUTOMAZIONE INNOVAZIONE SOCIETA PER ; TAI TECNOLOGIA AUTOMAZIONE INNOVAZIONE S P A POME ; TAI TECNOLOGIA AUTOMAZIONE INNOVAZIONE ; TAI TECNOLOGIA AUTOMAZIONE INNOVAZIONE ; TAI TECNOLOGIA AUTOMAZIONE INNOVAZIONE S P A POMEZIA ; TAI TECNOLOGIA AUTOMAZIONE INNOVAZIONE SOCIETA PER AZIONI ; TAI TECNOLOGIA AUTOMAZIONE INNOVAZIONE POMEZIA SPA

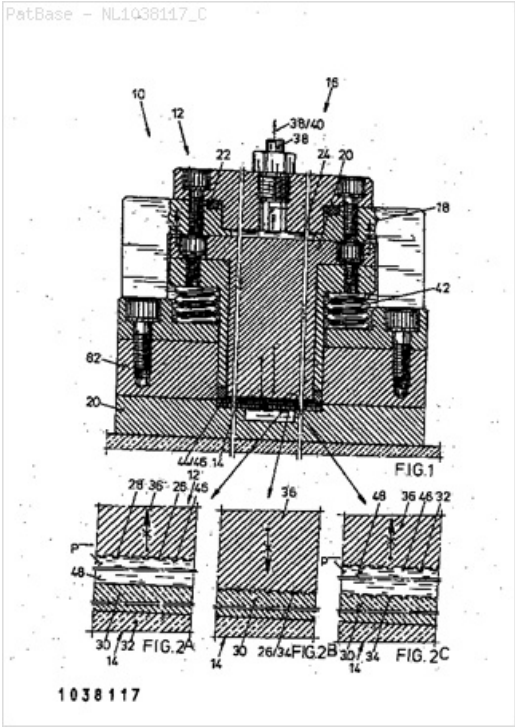
Inventor(s): (std): CECCHI LUCIANO ; CHINES GIUSEPPE

Designated states: BE DE ES FR GB IT LU

Title: SEMICONDUCTOR MODULE, BEVATTENDE EEN ELECTRISCHE SCHAKELINGSPATROON-OPBRENGINRICHTING TEN BEHOEVE VAN HET DAARMEDE PLAATSVINDEN VAN HET AANBRENGEN VAN ELECTRISCHE SCHAKELINGSPATRONEN OP EEN DAARIN TOEGEVOERDE SEMICONDUCTOR SUBSTRAAT. SEMICONDUCTOR MODULE CONTAINING AN ELECTRICAL CIRCUIT PATTERN-application device FOR THE PLACE AS PART OF THE INSTALLATION OF ELECTRICAL CIRCUIT PATTERNS ON A SEMICONDUCTOR SUBSTRATE PUT DEFINED THEREIN. (Machine translation)

Abstract: Source: NL1038117C [NL] SEMICONDUCTOR SUBSTRAAT BEHANDELINGS-MODULEOPSTELLING, BEVATTENDE EEN AANTAL SEMICONDUCTOR MODULES **Machine translation:** SEMICONDUCTOR substrate treatment MODULE INSTALLATIONS CONTAINING CERTAIN SEMICONDUCTOR MODULE

Classifications:
International (IPC 8-9): H01L21/00 (Advanced/Invention)
CPC: H01L21/67173 H01L21/67225
European: H01L21/67S2Z10L H01L21/67S2Z2L



Family:

Publication number	Publication date	Application number	Application date
NL1038117 C	20120125	NL20101038117	20100721

Priority:
NL20101038117 20100721

Probable Assignee: BOK EDWARD
Assignee(s): (std): BOK EDWARD
Inventor(s): (std): BOK EDWARD

Title: ROTATING PALLET IN SPUTTERING SYSTEM

Abstract: A multi-chamber processing system is described for depositing materials on multiple workpieces (wafers, display panels, or any other workpieces) at a time in a vacuum chamber. The system includes a sputtering chamber and a separate pre-clean chamber, where wafers can be transferred between the two chambers by a robotic arm without breaking a vacuum. The wafers are mounted one-by-one onto a rotating pallet in the pre-cleaning chamber and sputtering chamber. The pallet is firmly fixed to a rotatable table in the sputtering chamber. Copper tubing in the table couples RF energy to the wafers, and a **liquid** running through the copper tubing controls the temperature of the wafers. Multiple targets, of the same or different materials, may concurrently deposit material on the wafers as the pallet is rotating. Multiple magnets (one for each target) in the magnetron assembly in the sputtering chamber oscillate over their respective targets for uniform target erosion and uniform deposition on the wafers. An electrically insulated target backing plate between each magnet and a target has a **liquid** channel running through it for controlling temperature. The distance between the magnets and the targets is made very small by a thin aluminum plate fixed to the bottom segment of the target backing plate by a dip brazing process. Various shields are described to prevent cross-contamination from the targets and prevent the sputtered target material from entering gaps in the chamber and shorting out insulators.

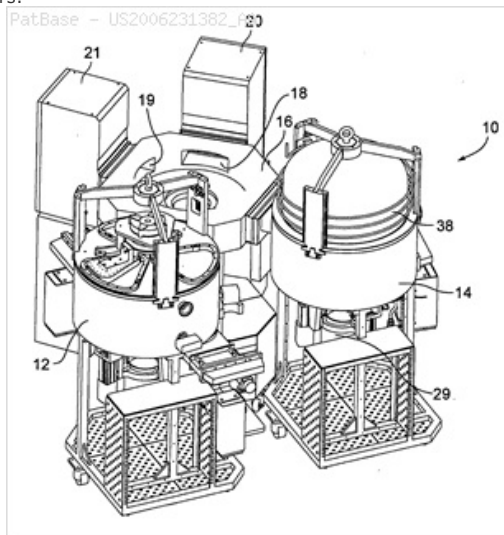
Classifications:

International (IPC 8-9): B08B7/00 C23C14/00 C23C14/50 C23C14/56 H01L21/00 C08F8/00 C08J3/12 C23C14/32 C23C14/34 C23C14/35 C23C16/54 H01J37/32 H01J37/34 H01L21/203 (Advanced/Invention); C23C14/00 H01J37/34 H01L21/203 (Advanced/Non-invention); C23C14/00 C23C14/32 C23C14/34 H01J37/32 H01L21/02 (Core/Invention); B08B7/00 C23C14/34 C23C14/35 C23C14/56 C23C16/54 H01L21/00 (Core/Non-invention)

CPC: H01J37/3408 H01J37/3455 C23C14/021 C23C14/35 C23C14/566 C23C14/352 C23C14/505 H01J37/3447 H01J37/3435 H01J37/3497 H01J37/32743 H01L21/6719 H01L21/68764 H01L21/68771 C23C14/022 C23C14/56 H01L21/67069 H01L21/67109 H01L21/68785 H01L21/68792 C23C14/541 H01J37/32752 H01J2237/2001

European: C23C14/02A C23C14/02A2 C23C14/35 C23C14/35D C23C14/50B C23C14/54B C23C14/56 C23C14/56D2 H01J37/32016B H01J37/32016D H01J37/34B H01J37/34M2A H01J37/34012 H01J37/3404 H01J37/34U6 H01L21/67S2D8D H01L21/67S2H4 H01L21/67S2Z6 H01L21/687S H01L21/687S14 H01L21/687S16 H01L21/687S20 H01L21/687S22 T01J237/20B T01J237/352 T01J237/354 T01J237/362D T01J237/36C50 T01J237/36C60

US: 118/58 118/730 204/192.1 204/192.100P 204/192.12 204/192.120P 204/192.32 204/298.01 204/298.010P 204/298.010S 204/298.02 204/298.020P 204/298.09 204/298.11 204/298.110P 204/298.12 204/298.15 204/298.16 204/298.160P 204/298.19 204/298.2 204/298.23 204/298.25 204/298.250S 204/298.26 204/298.28 204/298.35

**Family:**

Publication number	Publication date	Application number	Application date
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TW200704801 A	20070201	TW20060113180	20060413
TW200704803 A	20070201	TW20060113181	20060413
TW200704804 A	20070201	TW20060113194	20060413
TW200706671 A	20070216	TW20060113176	20060413
TW200706672 A	20070216	TW20060113177	20060413
TW200706673 A	20070216	TW20060113182	20060413
TW200706678 A	20070216	TW20060113175	20060413
TW200706691 A	20070216	TW20060113178	20060413
TWI305235 B	20090111	TW20060113194	20060413
TWI314584 B	20090911	TW20060113176	20060413
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TWI325447 B	20100601	TW20060113180	20060413
TWI328048 B	20100801	TW20060113181	20060413
TWI342342 B	20110521	TW20060113177	20060413
TWI343419 B	20110611	TW20060113175	20060413
TWI346143 B	20110801	TW20060113182	20060413
US2006231382 AA	20061019	US20050106864	20050414
US2006231383 AA	20061019	US20050107620	20050414
US2006231388 AA	20061019	US20050107109	20050414
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US7479210 BB	20090120	US20050107619	20050414
US7682495 BB	20100323	US20050107620	20050414
US7744730 BB	20100629	US20050106864	20050414
US7785455 BB	20100831	US20050107283	20050414
US7794574 BB	20100914	US20050107110	20050414
US7799190 BB	20100921	US20050107108	20050414
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WO06113170 A3	20070503	WO2006US13036	20060406

Priority:

US20050106864 20050414 US20050107108 20050414 US20050107110 20050414

US20050107283 20050414	US20050107109 20050414	US20050107111 20050414
US20050107620 20050414	US20050107619 20050414	WO2006US13036 20060406
US20090357351 20090121	US20110328914 20111216	

Probable Assignee: TANGO SYSTEMS INC

Assignee(s): (std): DASARADHI SRIKANTH ; MULLAPUDI RAVI ; SMITH DEAN ; STREPKA EDWARD ; SMITH SEAN ; TANGO SYSTEMS INC

Assignee(s): TANGO SYSTEMS IMC ; TANGO SYSTEMS INC US ; NEW SCIENCE VENTURES FUND I L P ; RAVI MULLAPUDI

Inventor(s): (std): DASARADHI SRIKANTH ; MULLAPUDI RAVI ; SMITH DEAN ; SMITH SEAN ; STREPKA EDWARD

Agent(s): PATENT LAW GROUP LLP; OGONOWSKY BRIAN D; BRIAN D

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

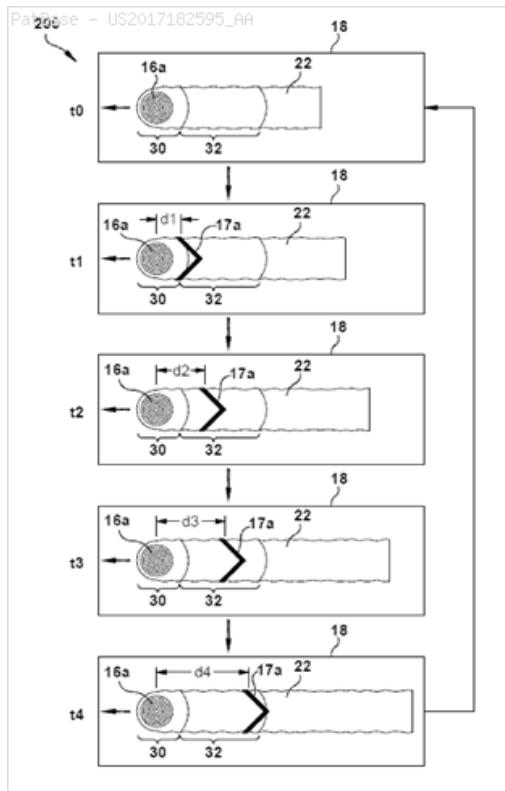
Title: COMPOSITION AND METHOD FOR FUSION PROCESSING ALUMINUM ALLOY

Abstract: An aluminum alloy precursor composition and method for fusion processing is provided which reduces **hot** cracking, improves compositional control, reduces porosity, and/or enhances the mechanical properties of the fusion processed article. The precursor material and fusion process using the same may be utilized for **forming** an article that meets compositional specifications for aluminum 6061 alloy, while minimizing defects and meeting desired strength and ductility requirements. The fusion process may include a leading energy beam for liquefying the precursor material to **form** a melt pool, and a trailing energy beam directed toward a trailing region of the melt pool. The trailing energy beam may be configured to enhance agitation and/or redistribution of **liquid** in the melt pool to prevent **hot** cracking, reduce porosity, or improve other characteristics of the solidified part. The method also may improve processing parameters, such as adjusting vacuum level to prevent volatilization of alloying elements.

Classifications:

International (IPC 8-9): B23K15/00 B23K15/06 B23K26/06 B23K26/067 B23K26/073 B23K26/08 B23K26/12 B23K26/323 B23K26/342 B23K26/70 B23K9/04 B33Y10/00 B33Y70/00 C22C21/08 (Advanced/Invention)

CPC: B23K15/0086 B23K15/06 B23K26/0608 B23K26/0676 B23K26/073 B23K26/0734 B23K26/0736 B23K26/703 B23K26/323 C22C21/08 B33Y10/00 B33Y70/00 B23K26/1224 B23K9/04 B23K26/08 B23K2203/10 B23K15/004 B23K26/342



Family:

Publication number	Publication date	Application number	Application date
US2017182595 AA	20170629	US20170457312	20170313
WO17096050 A1	20170608	WO2016US64435	20161201

Priority:

US20150263288P 20151204 WO2016US64435 20161201 US20170457312 20170313

Probable Assignee: RAYTHEON CO

Assignee(s): (std): RAYTHEON CO

Inventor(s): (std): MASON RALPH P ; PISTORINO MARK J ; NELSON NORMAN DANA ; CARLSTEN CURTIS B

Agent(s): WOLF RICHARD A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: NEW PHYSICALLY TANGIBLE TECHNOLOGIES ESSENTIAL FOR HEALTH AND ENJOYMENT FOR MIND AND BODY

Abstract: [Source: Claim 1] 23 ClaimsThe most valuable part of this model is composed of huge and/or many tanks filled with sea water a have a hydraulic/pneumatic/actuator **presses** (such as wine **presses** and/or diamond manufacturing **presses**). There can be a durable membrane at either the bottom of the **press** and/or the lower of the first saltwater tank side. Basically the **press** squeezes fresh water out of the salt water tank. We can use any and all energy sources including Gerard Voon's patented Tall Gravity to Electricity Invention, and/or mirrors on salt water boiler to fresh water and fresh water, tidal water technologies, tube water technology. The invention operates causes the fresh water to pass through the durable membrane(s) and to collect on one side of the either the top and/or lower membrane. The membranes can be framed/have a ledge so the solid **press** as it pushes the membrane it applies force act contact against the solid frame/ledge not against the membrane itself that is probably less able to withstand heavy solid material **pressing** against it. Rather the membrane is a skin that separates through the space between the frame/ledge like a window except instead of letting light through it keeps the salt in. We could harness salt water coasts and oceans/seas using these technologies... We could make barges out of acrylic (shaped to the exact dimensions of shipping and/or train containers except the entire containers all walls and or lid is made of transparent acrylic), for the sun to enter and thus grow algae underneath (with tilapia/goldfish any and all fish), and bio fuel bio crops and any and all crops (eg. Indian grass (sugar for micro organisms in a design whereby a upper flotation (eg. styrafoam keeps the crops propped up while a layer beneath the styrafoam is a layer of peat and or compost/sewage/any all medium (top soil) with a fine mesh beneath to keep the medium from dissipating into the fluid below)... and/or beans for nitrogen fixation and/or any and all bio crops. Including salicornia, switch grass, corn, sugar cane, coconuts, mangrove roots (especially the salt water tolerant bio fuel biocrops). When the containers are used for shipping the top layer of bio crops (because ships cargo containers have little (exposure to the sun) could be harvested first, while the algae (specifically non-photosynthetic algae) and fishes can be transported via the containers... Furthermore the whole cargo vessel could made of transparent acrylic to allow the sun in. Alternatively shop could line its sliding roof and walls with solar panels, to power the power plant batteries and divert some of that power to the cargo containers whereby sun lamps made with acrylic lights shine in timed patterns for the photosynthesis of any and all life in the containers. Instead of styrafoam floating at the top we could have Teflon wrapping like a lid over the hydroponic container. We then cut hole flaps such that the crops that sprout up will be gently supported from tipping (eg. corn stalk). Furthermore, we could build multilevel/floors highrise green houses. At the bottom of each floor are surrounding mirrors that are aimed to reflect light onto a mirrored ceiling (eg. for round highrises are domed mirrored ceilings, while square and/or rectangular highrises are angular ceilings. We could grow mangrove/switch grass (worldwide) (to use the salt water) India, China, deep inland Bangladesh, Indonesia... Re: Oil/Tar Sands24 We could use mirrors focused on a pan (to make thinner and dry quicker) with tailingsspread on top the top of the tailings pan is covered with a grill to shut out ducks and birds. Then we take coal (to make the combustible tailings burn hotter and longer) ie. from British Columbia, (even sawdust; switchgrass; mangrove wood; eculapytus... crush it and mix it with the dried and shredded tailings with a plasma torch, to produce energy eg. a surrounding boiler with realtime source of salt water (or ethanol) that heats from the plasma torch combusting the materials and spins a turbine. Re: Air Cleaning Lungs PlantsTo We could create classy or reflective of identity of the owner casings (particularly the frame (eg. hardwood like a Starbuck's interior design and or display case) whereby the skin/membrane is a one way oxygen to the opposite way carbon dioxide), casing/shell for Air cleaning Garden and House Plants and (in large spaces a section of a highrise atrium and/or house sunroom) garden and house plants whereby the skin/membrane separates the garden (sunroom) from the rest of the house. A slight breeze can be used to circulate the towards the skin/membrane. We are feeding farmed any and all life and livestock Ritalin and any and all stimulants during extended days (as an opposite to melatonin) to entrain the life to sexual maturity and growth. We could also use testosterone as sex enhancer for any and all creatures (life even micro organisms) to mate/breeding... and also increase size when used during adolescence. Major methods for extra growth during adolescence include injection of a GnRH analog (Leutinizing Hormone Releasing Hormone, LHRHa) with dopamine antagonist (pimozide and/or domperidone), and injection of gonadotropin and hCG (Human ChorionicGonadotropin), Ovopel, Ovaprim-C, Ovatide, Ovaplant, CPE (Carp Pituitary Extract) - we also plan to use the above hormones to proliferate stem cells and/or specialized cell regeneration). We are using seasonal/cyclical factors (ie. auxin... sugar...) to entrain plants to get faster and reaching maturity growth from plants. Re: Plant CareWe have Boron, calcium (enabling the soil to hold nutrients), Calphos, Greensand, Sul-Po-Mag and Carbonatite, Calphos, Earthworm Castings, Green manures, Greensand, Gypsum, Humate Concentrate 12 percent, Hydrolyzed Fish (Fermented Salmon), Kelp Fertilizer Mix, Kelp meal, Limestone, **Liquid** Seaweed Concentrate, Organic sugar, Soybean meal, Spanish River Carbonatite, suitable PH for the plant, sulphur for oilseeds, brassicas, Sul-Po-Mag... THE BELOW SOURCES OF MUTATION SOURCES CAN BE USED FOR ANY AND ALL OF THE FOLLOWING (Any and All Life, from Micro Organisms to Any and All Creatures (eg. fish) and/or Plants/Aquatic Agricultural, and Bio Fuel Crops: 1. Mutations can be used to grow larger bio fuel crops. 25 2. Mutations can be used to augment micro organisms: compost, manure, sewage, other soil conditioning micro organisms, treat bio fuel crops (including corn, its cellulose, salicornia, Jatropha curcas, switch grass, mangrove trees, algae)... 3. Perhaps mutations may work with goldfish and/or tilapia for fish fertilizer. 4. To grow larger detritus (and hay fusion) and the creatures that feed off the detritus such as crayfish/crawdads. 5. Perhaps in poorer nations it can be used for fruits and vegetables where food is unattainable because of poverty. 6. Mutations can be used to grow ornamental fish and plants. 7. Crocodiles, Alligators, Fur Bearing Animals, Game Animals... Lambs, Al Paquas. 8. Stem Calls, Cloning. 9. Perhaps humans one day when we understand enough about the mechanisms to make it safe not only for individual human cells, but for human injection as well. 10. We could augment the size and growth speed of mangosteen, gingseng any and all rare tasty fruits, vegetables, and expensive fruits. New Genetic Variants that have desirable phenotypes include, diseases in general (for any and all living creatures), drought resistant, salt water tolerant (especially since salt water is abundant and increasing with Climate Change - we just need to be clean), any and all hostile conditions, DNA combinations that produce genes, proteins, vitamins, fast growing, large voluminous in number (eg. fruit) and/or size (also vegetables), chemicals for everything from medicine to cosmetics. THE MUTATION SOURCES ARE: 1. X-rays/Ultraviolet Light - to produce new mutations with new phenotypes. 2. Pre treatment before x-rays can include peanut oil, mustard oil and castor oil to produce more mutant effects. 3. Colchicine, harvested from the Colchicum autumnale... known to cause doubling of chromosomes, producing larger plants and larger flowers. The trick is to expose the colchicine with the apical-tip-growing cell of a dividing seedling. 4. We could possibly pulverize freeze dry the Colchicine. 5. We are creating a gel (with nutrients and colchicines) and/or hydroponic solution, we could possibly flush every week (soak in a diluting solution), the gel can be caulked tube and reapplied after flushing. 6. Pyxine petricola, in higher concentrations increase mutating effects. 7. Dothistroma pini infected Pinus radiata, dothistromin can cause chromosome (mutation) in any and all creatures. 8. The mushrooms Paxillus involutus and Lactarius necator also mutates chromosomes. CLONING and REGENERATION1. Start with a medium of sugars, minerals and thiamin. 2. One growth hormone is indole-3-acetic acid... 3. Then add coconut milk and/or herring sperm - the active ingredient in kinetin, to make rapid cell division (we could try this with stem cells and/or tissue culture of humans, live stock and/or newts (for HOX) assuming the substances has the same26 effects on higher life **forms**), Ilaha milk from Hyphaene natalensis... The active ingredient in coconut milk and milk is zeatin riboside. 4. We could create somacional variation randomly via protoplasts or we could genetically engineer transposons by **forming** new positions in DNA the results include increasing strengths of salinity and the survivors (eg. mangrove trees, switch grass, Indian grass, salicornia, Jatropha curcas) from each generation is introduced to even more saline concentration until a line of most saline resistant bio crops are produced. It can be also used to augment micro organisms: compost, manure, sewage, other soil conditioning micro organisms, treat bio fuel crops... but rather than dying we proliferate the batches that do the most effective job. We could also create stem cells, that are less likely to become tumorous and still proliferate indefinitely and fast and in large number, and train immune cells that prove effective against diseases, switching between immune cells then DNA in to enucleated eggs and/or the immune cell DNA inserted the enucleated and/or into E.coli/diatoms (eg. insulin and/or hemoglobin) then taking a batch and turning back into immune cells and training them again to go after antigens or unchanging proteins possibly on beads. GENETIC ENGINEERING1. To obtain DNA from plants we use carbolic acid. Then precipitated with alcohol. The resulting material is cut with enzymes (eg. bacteria) - restriction endonucleases. These DNA are the spliced into DNA from another plant with enzymes (eg. ligases). Species to species plants can be passed onto other species of plants via crown gall bacteria. 2. Basically enzymes cut DNA and thus have sticky ends that can be genetically recombined with other DNA. GROWTH HORMONES - abscissic acid, auxins, cytokinin, ethylene and gibberellins1. Auxins are found in urine - good for grafting... they can be found in abundance in coconuts (and other growth factors) immature chestnuts and milky corn. We could mass produce plants and speed up the rate of breeding plants by single cell(s) using auxin. Also useful for seeds that don't sprout

easily. We could fill vats of cells and mix with auxins, then as the cells grow we sort and separate (eg. via automated and Artificial Intelligence). Some people have even tried spraying entire field with auxin to make their crops fruit at the same time. This can be used for multiplying and coordinating harvest corn or any and all bio fuel crops (including corn, its cellulose, salicornia, Jatropha curcas, switch grass, mangrove trees, algae) and/or and/or ornamental and grain and any and all agricultural as well as any and all aquacultural plants, any and all fruits and vegetables.2. Brassins are produced from rape Brassica napus's pollen.3. Gibberellic Acid found in Gibberella fujikuroi, produce larger rice seedlings, exponential growth in peas, can be used any and all corn or any and all bio fuel crops (including corn, its cellulose, salicornia, Jatropha curcas, switch grass, mangrove trees, algae, Indian grass) and/or and/or ornamental and grain and any and all agricultural as well as any and all aquacultural plants any and all fruits and vegetables.4. Methanol/Wood Alcohol is another growth factor.27 GROWTH HORMONES FROM PLANTS AND SPECIFICALLY WATER PLANTS 1. Algae Caulerpa (green pigment caulerpin) stimulates growth at low dosages and inhibits growth at high dosages.2. Androsterone 3. Cotoneaster.4. Duckweed (Lemna aequinoctialis). 5. Estrogen6. Euonymus.7. Etyhylene - root stimulant. 8. Holly.9. Honeysuckle. 10. Hyacinth bulb 11. Ninebark.12. Progesterone13. Salicylic Acid (Aspirin) is a flowering hormone. 14. Testosterone15. Vitamins include B6, D (from Solanum malacoxylon)16. Water Lettuce (Pistia stratiotes) stimulated roots/shoots and the processes of germination and growth.17. Water Melon seeds have quasi-gibberellin at sprouting.18. Willow can be extracted by boiling the (possible saw dust), perhaps in perforated bags (we could sell it in that **form**), to produce rhizocaine and apply to (also in gel **form**) to cuttings.(TP 0.18 percent)Re: As All sources that Augment the faster and more Large Growth of Plants We are Applying These (from Hormones to Genetic Engineering to Micro Organisms to Nutrients...Wee can create a floating mat that eventually buoyantly self floats with their root and rhizome perhaps most effective is auxin, Brassins, Gibberellic Acid, Methanol/Wood Alcohol, (possibly mutations), mass cloning and regeneration, sugar is added and Lacto Bacillus and/or Actinomycetes bacteria for root health... of maidencane mat. The mats are established on to structures, made of bamboo, cedar wood, pine, PVC, Styrafoam, also, birch, burlap, coconut, jute netting, straw-coconut, any and all cellulose (including corn), hydroponic growth on a poultry wire root stabilizer. Substrate include hardwood mulch, peat and/or peat-bagasse, sawdust mixed with manure (eg. in burlap). (Chicken) Wire containment baskets can also be used. Others have tried both potted and/or stem plants for establishment.Using sewage and/or agricultural runoff rich in nutrients we are growing algae and duck weed. The algae and duckweed are then processed and used as cheap fertilizer and/or biofuel. The holding tanks can be made of acrylic to let the light in under the duckweed. A submaring (acrylic waterproof to avoid electrocutions), encase hydroponic light bilbs of various sizes/dimensions and intensities. The light is situated under the duckweed. (GP 1.5 percent)Hydroponic barges can be floated offshore with tidal power underneath the barges. 28 The land can be used to grow cows/pigs/goats/chickens/ducks any and all life... in warmwater climates collar panels can be placed on poles above the fields of livestock, in cold climates solar panels can be placed on top of barns; and then when its raining; winter, we can rollout the solar panels, because the livestock is in the barns at these times. We could also use solar cells that lets some light pass through. We could also build TALL GRAVITY to ELECTRICITY INVENTION underground. (GP 0.3 percent) (MW 0.7 percent) (Av 0.3 percent) Re: City HazeWe could use either hydrosopic and/or silver iodide to seed clouds above a hazy city. At the centre of the city we could have a large parking spot for Zeppelin (Blimp) balloon and/or plane and/or helicopter that rises above the city and is connected to the tall building below with either high rise tape and/or Teflon (to reach further fringes of the city it can disconnect the connection). Zeppelins/blimps are probably better because the don't take much fuel and can take a larger load than helicopters and can hover to spray the cloud seeding substances unlike planes that can only make one pass at a time and also take a lot of fuel. The connection can unwind like a kite once in the ideal position (at the centre of the city it sprays (GP 0.02 percent) the cloud seeding substances to cause rain to wash the hazy air. Another option is to float a balloon above highrises at specific segments of the city and spraying the cloud seeding substances at these areas. Re: Car CompanyTo get the infrastructure (network) of fueling stations going Nations need to create a adequate pool of customers using the same interfaces (ie. same electric socket), to do this we need a two/three pronged approach with extra of the below deals passed to the clients that trade in the same brand name car thus rewarding buyer loyalty.1. Offer financing - lease, auto loans (possibly to own) (GP 0.0005 percent).2. In order to stimulate buying during this recession a 2 year deferred on interest payments any and all payments).3. Free conversion of ethanol engines.4. Possibly lowering the cost to the customer of any and all alternative energy cars to the price of an equal model that is not alternative fuel based.5. To increase convenience to people we could take orders per neighbourhood of a tanker truck battery power plant and deliver and exchange car batteries house to house (we could tie this to a Automobile Association for battery failures). Re: Large Wound ScarsTo prevent scarring on large wounds, we could embed Dermanatrix (scarring ointment), into gauze patches that can be cut to cover the entire wound (also band aid versions)...we could mix in the gauze with HOX and/or Extracellular Matrix. (GP 1 percent) Re: Speed Skating Quasi (Open Air centre Regular Skating Rink) Re: Acrylic Water Slides Re: Beach Surf Wave Generator for any and all water sports...29 Re: We could team up with the Red Cross to build hospitals and walk in clinics (GP 38 percent), I believe the two Tier System (I designed) is Best because it helps the most people and those that pay the most (the high end clinic patients), do so voluntarily (eg. 1 st Tier is private high end where patients pay a premium while a percentage of the extra profits is used to subsidize 2nd Tier regular medical products and services)...We could even issue Red Cross Bonds that are guaranteed by the WHO, World Bank, IMF and each local Nation. Especially help patients that have a good chance to recover enough to work at jobs that can make them enough money to pay back the costs of treatments. Discount for any and all people to contribute to medical insurance.We could build cheap high density housing nearby (for the patient's people and also for recovery and for recovered patients to pay back their costs). The recovered patients that need a job could work in our drop in, garden (fruits/vegetables/meat farms), and Manufacturing Plants... Re: Mini Golf for Arcades and Any and All Small SpacesThere is a green (one end you putt in and the towards the centre (on one side is the snad bunker and there other is the water hazard (or hard replicas to avoid messes), with multiple holes spread across the green where by the putter tries for different holes (and like a pinball machine gets points for the difficulty of the hole). The layout can change by **pressing** a button(s) to move actuators that change the lye, by **pressing** up from the bottom against the floor material. Re: **Hot** Microwaveable Beverage ContainersMade of materials (light yet able to handle the microwave) such as Tupperware and/or Starfrit, perhaps a thin wall of ceramic, for **hot** drinks microwaved.1e. Any and all teas; coffee and/or coffee varieties; **hot** water; **hot** chocolate; **hot** apple cider...Re: SARS: Farming and Immune Cells Cloning and/or proliferation and Priming and via Stem CellsWe can identify the antigens (especially proteins within the cells that do not change) of SARS...and identify and prime (via beads coated with the SARS antigens the immune cells and proliferate via HOX/Extra cellular matrix)) so Asia and Africa can raise chickens and ducks for food again. (DLD 1 percent) (GP 2 percent) Re: Mad Cow DiseaseWe need an accurate cheap - voluminously testing all cattle before they reach the market for consumption.For humans already infected with Mad Cow Disease we could irradiate the brain of the extract healthy brain cells or other healthy uninfected somatic cells and/or grow stem cells and once there is enough stem cells they can be converted into brain cells and then patient brain can be irradiated in segments possibly mixing specialized brain cells/stem30 cells/HOX/ECM injected into the brain to repopulate after irradiation. (We could also trychemotherapy 40 percent). (DLD 1 percent) (GP 2 percent) Re: New FoodsWe are creating a line of any and all preserved foods world wide. Smoked, salted, lox, dehydrated, deep fried (chips), frozen, freeze dried, flash frozen, glazed, jams, canned/bottled, tandoori, pickled, kim chi, samosa, curried, deli cuts for any and all meats (including rare game ie. Hills Foods; also organic, free range...), any and all sea foods, any and all fruits and vegetables... frozen dinners of popular dishes including rare game meats to provide a new world of taste variety for the old palate. We can also produce authentic soup stocks from beef, pork, chicken and/or turkey (any and all meats), and fruits and vegetables juices such as tomato that are authentic home made quality. Also we could produce a Premium Delicacy Brand of yoghurts/gelato/juices/dried/dehydrated/fruit leathers, using rarer fruits such as raspberry, gooseberry, black berry (high in antioxidants), mangosteen (highest in antioxidants), star fruit, jack fruit, rambutan, MANGOS FROM Mexico/Phillipines/Ghana. We could make gelato-Bubble Tea-Coffee-Chocolate-apple cider any and all popular drinks and desert that can crumble and possibly absorb and/or semi absorb that adds to the break apart texture such as the sago pearls. What is special about Canada in Tim Hortons. We can make it better by making a regular and a healthy - outlet offerings by Lifestyle Trends. Any of the below can share delivery people...1. Tim Hortons with deserts (such as Senses and/or Mindhardts) and high quality Sushi; we could either open up initially next to Discos (With a special cue for VIP's - the outlets can be ade of dark wood/**metal** with fire places, stone facade/gothic columns outdoor heaters leaving up to customers to turn on and/or off. Internet and Multidimensional Internet/karaoke boxes/and small rooms/Multi Screens Computer/AI/Neural Links, magazines/newspapers futons - and/or a Friends (television Sitcom) version and/or 902010 The Peach Pitt. We could provide small rooms with futons for groups (like Singapore Airlines and Japanese Hotels with small rooms)...for people to read and/or socialize with technologies listed within this paragraph.2. A Families Version with mini scoop gelato and ice creams - the outlets can be tied to a facebook/myspace and utube safe section for families to meet families and give perhaps discounts and/or gift cards to local blockwatch and perhaps if the family brings members into the outlet. It could be a safe networking environment for kids to meet kids, the safe section is for kids who have been checked out as safe. The Program can be our way of making life better for kids and giving them and making things safer for them.We could even create a Big Box Chinese Grocery Store (ie. TNT) with a Western Big Box Superstore (Walmart)... There could be an Asian Hawker centre (ie. Singaporean). Additionally there could be a consignment area for

up coming clothing designers who are at the avant guard (fashion designers who know how to put their finger on next trends, talented) based on our experienced fashion people, we could also have a factory outlet of any and all goods, especially locally designed and locally made goods. Attached could be a hotel resort/spa, perhaps a regular shopping mall with F1/2 racing...We could have the most popular International Mall, including the most popular stores from Beijing/Shanghai/Taipei/Hong King, Delhi/Bangalore, Europe (Herods), Beverly Hills/Saks 31 5th Avenue, Korean/Vietnamese/Latin American, whatever is popular and locals/and ortourists can already have a palate and/or acquire a taste for... Most popular authentic and/or Fusion restaurants of all products and services. Teas, bubble teas, gelato doughnuts even healthy doughnuts with canola oil instead of lard, even boiling in water and/or lower sugar in the fillings and sprinklers... (CH 1.5 percent) (DLD 1 percent) - We could even use chitin and/or furanone not only in doughnuts but to preserve any and all foods, including: yoghurt, seafood, juices, drinks, any and all beverages, any and all purees/pulps (GPO.0001 percent), anything **liquid**, fluid, (blundered), shredded, pulverized (any foods and beverages large surface area to particles of chitin/furanone exposed), whipped (ie. peanut/flax butter). (Any and all soups after **cooling** GP 50 percent).The idea is to create a central shopping centre that sells goods and services that are unique/customized to the Nations that they are known for. One way to organize shopping centres that aligns logistics and marketing with population Urban Sprawl and Central Business Districts Evolutions (instead of repeating the same stores in the same malls in every strip mall is: Create factory Outlets in larger cities where affluent population live in high density and there is much affluent tourist activities (ie. hotels/resorts), by stocking in large inventories of # of units, when urban/decentralized location/branches show high demand such as (electronics new releases), (and the back order - perhaps gauged by internet hits on the product to reserve and order the product), we could ship the items from the central location to the urban/decentralized location/branches). If turnover of goods don't meet expected sales target we can move them to low cost warehouses where we sell as surplus and mix with second hand goods and perhaps weekend flea markets.To help those in most need of help the very poor in cold climates, we farm sheep/al paquas, grown and shaved in New Zealand, Australia, Canada, Argentina, Chile, Peru, Latin America, China, Russia as raw materials for any and all places where the locals are adept weavers/stitching such as Aborigines worldwide, we could also employ people living in slums or places such as Turkey/Indonesia/China/India/Mexico/Eastern Europe/Caribbean/Africa/Mekong...sources materials can also come from surplus clothing from the entire world, we can repair and/or cut out the tattered parts and re-spin re-weave and re-stitch. Any and all products include blankets, ponchos, scarves, jackets,sweaters...by keeping standards of shrinkage and/or even supplying to fashion labels we could build a quality name for these products. (GP2 percent) (DLD 1 percent) (Hwood 5 percent)... We can collect and recycle clothing fiber into paper (bleach) and convert into any and all products and/or update (ie. collars) the repair work can be done in fair wage sweat shops.(We could take in used shoes and resole them to give and sell at thrift and to slums.We could also buy used plates, cutlery, utensils, pots and pans, ever repairing the handles and sell them at thrift and to slums. GP 35 percent, GV 65 percent)(We could also recycle tires to make thin rubber shingles to line the roof of slum homes. GP 10 percent)Re: Food During a Worldwide Food Shortage and Rising Unemployment (Recession) We can make the most and help the world the most against mass starving (and squabbling) over food by: 32 .cndot. Taking the food companies Sysco, Cargill, Maple Leaf Foods and/or McCain's(French fries) and Aquaculture - Jon Deere, Caterpillar....cndot. We grow Grain/Potatoes/Fruits/Vegetables (the most nutritious foods for the cheapest inputs and easiest to care for and most prolific - at least until the rise of food prices versus the job numbers from the worldwide recession has turned around)...cndot. Using the best recipes and ingredients we can supply to communities where people (who have money) are congregated during mealtimes (offices - midday home breaks), airlines, cruiseslines....cndot. We can farm livestock - cattle/chickens/pigs...and use tea manure both **liquid** and solids alternately to grow the famed plant above..cndot. We need large swathes of uninhabited land (where land and land taxes and alternative uses of land; such central business district don't make operational sense because their population as well as the infrastructure to support the population don't support a CBD, and there are no CBD's nearby to for urban sprawl to sustain itself - Nordic Countries/Russia/USA Bread Basket/Saskatchewan/Manitoba/Breadbasket/Australia/Africa/Eastern Europe/China/Indonesia/India/Middle East/Pakistan....cndot. In cases where there is a threat that the local nation may take over farm land invested in by foreigners (as an International Consortium), we can avoid investing unless the host nation to the farming agrees to contribute (possibly initial back to back loan) to be exchanged for its share of the profit to act as a deposit for the value of the venture(s) should they seize the businesses..cndot. There can also be an option for the Nations who sell these farming products to their people to turn over some of their shares to local traditional Co-ops, to placate their interests..cndot. We could create either internet (anonymous) auctioning (ie. Ebay) and/or multiple site satellite auctioning houses - most of the farmed products are sold to the highest bidder and where logistics where transport cost (the product is heavy or bulky); products are sold to the largest customer..cndot. Nations are allotted (non voting) shares in the venture to buy-in their local Co-ops, and can even send (ie French Farmers) to work and manage foreign farms. The expatriates from Developed Nations can be paid higher (given their expertise level)..cndot. Once the venture breaks even, share a proportion of profits to local population by size and poorness of income and unemployment of poor population per nation ie. Aid the neediest most ta at least a minimum. We could develop manufacturing and/or service centres where we give food away so employees can work or study/learn to work on full stomachs..cndot. In addition to auctioning we could create a Commodities Board of Trade similar to the Japanese Fish Market...Where there are large commodities (ie. South Africa/Australia/Canada/Latin America/New Zealand/Indonesia/Russia/Irian Jaya/Papua New Guinea - with day trading and electronic trading...During down turns when in the world economy when less natural resources are being demanded, we could buy undervalued inventory producing proven essays (that are easy to extract and process), and sit on the inventory until the economy picks up (depending on how long before we can expect the economies to pick up and your ability to wait and defer income - unlike drilling/speculative ventures you are sitting on real assets that are temporarily undervalued and that are hard to substitute for end product usage), once the economy picks up again we can wait until break even 33 and from that point onwards a percentage can be used to invest in morespeculative ventures. On this market we can buy huge lots (possibly hedge commodities especially farming products that susceptible to spoilage and detrimental weather)..cndot. For countries where SARS, Mad Cow Disease, and or Foot and Mouth Disease have been seen, we could we could grow livestock in gated farms. The outer perimeter fence of the farm is separated from the outside world with fairly thick and tall solid walls. On the top of the fence is roofed with solar panels, to provide cheap extra energy...Inside the fence can be corn for ethanol/feed for cows/chickens/ducks/geese/goats/pigs...We could collect glaciers from Arctic break off by using two or more tug boats to drag nets (weighted to keep from floating up (possibly non-porous), and surround the ice bergs, then use a robotic submarine underneath to draw a flap underneath and the **robot** is manipulated zip the flap to the dragnets thus surrounding the ice berg with in a closed enclosure (possibly the net could have collapsible skeleton to keep its shape in which case we may not even need the flap - all we could need is some slits in the non-porous drag net to allow the water to pass as the drag net is moved through the water) and then we can tow the ice berg to safety and wait for it to melt and then desalinating.

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International (IPC 8-9): A01G31/00 A01K61/00 A23K1/00 A23L5/00 B01D61/02 C02F1/00 C12N15/00 G99Z99/00 (Advanced/Invention); A01G31/00 A01K61/00 A23K1/00 B01D61/02 C02F1/00 C12N15/00 G99Z99/00 (Core/Invention)
CPC: Y02W10/37 C02F1/005 B01D61/00 B01D61/02 B01D61/14 C02F1/44 C02F2103/08 Y02P60/642 A23K10/00 Y02A20/131
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Probable Assignee:	VOON GERARD
Assignee(s): (std):	VOON GERARD
Inventor(s): (std):	VOON GERARD