

Search history

Search 1: FT=(Structure* and seismic* and polymer* and ring* and support* and sliding* and sheet* and pad*) (Results 108)

1) Family number: 15649004 (US2003143038A)

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Title: MULTIPLE SYNTHETIC DEFORMED BARS AND RETAINING WALLS

Abstract: Connection devices to improve utilization of synthetic deformed bars to transfer tensile loads. Attachment devices for connection of thin wall face panels to mechanically stabilized earth walls with minimal tensile loads. Horizontally disposed synthetically deformed bars or other tensionable members utilized to combine precast retaining wall elements.

Classifications:

International (IPC 8-9): E02D17/00 E02D17/20 E02D29/00 E02D29/02 E02D3/02 E02D5/00 E02D5/74 E02D5/76 E02D5/80 E04C5/07 E04C5/16 E04H12/20 E21D20/00

E21D21/00 (Advanced/Invention);
E02D17/20 E02D5/74 E02D5/80 E04C5/07 E04H12/00 E21D20/00 (Core/Invention);

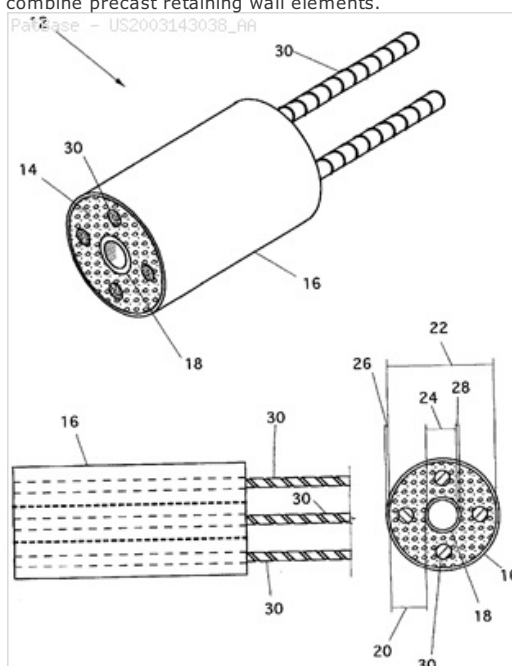
E04B (Subclass/Invention)

International (IPC 1-7): E02D17/00 E02D29/00 E02D29/02 E02D3/02 E02D5/00 E02D5/74 E04B E04H12/20 E21D20/00 E21D20/02 E21D21/00

CPC: E02D5/808 E02D5/76 E02D17/207 E04C5/07 E04C5/085 E04C5/127 E02D5/80 E02D29/02 E04C5/162

European: E02D17/20D E02D5/76 E02D5/80 E02D5/80F E04C5/07 E04C5/08A E04C5/12D

US: 1/1 405/244 405/244S 405/259.1 405/259.100P 405/284 405/284P 405/287 52/153 52/153S



Family:

Publication number	Publication date	Application number	Application date
AU2001241675 AA	20010903	AU20010241675	20010222
AU200141675 A1	20010903	AU20010041675	20010222
AU200141675 A5	20010903	AU20010041675	20010222
AU2003210538 AA	20030724	AU20030210538	20030114
AU2003210538 AH	20030724	AU20030210538	20030114
US2003143038 AA	20030731	US20030342758	20030114
US2003185634 AA	20031002	US20020047080	20020114
US2005008438 AA	20050113	US20040758601	20040114
US2016333544 AA	20161117	US20060330758	20060111
WO0163057 A2	20010830	WO2001US05733	20010222
WO0163057 A3	20020307	WO2001US05733	20010222
WO03058003 A2	20030717	WO2003US01310	20030114
WO03058003 A3	20040930	WO2003US01310	20030114

Priority:

US20000184049P 20000222	US20010261486P 20010113	WO2001US05733 20010222
US20020047080 20020114	US20030342758 20030114	WO2003US01310 20030114
US20040758601 20040114	US20060330758 20060111	

Probable Assignee: JOHN W BABCOCK JOHN W

Assignee(s): (std): BABCOCK JOHN W ; JOHN W BABCOCK JOHN W

Assignee(s): BABCOCK JOHN WALTER ; JOHN W BABCOCK

Inventor(s): (std): JOHN W BABCOCK ; BABCOCK JOHN W ; BABCOCK JOHN WALTER

Inventor(s): BABCOCK JOHN

Agent(s): JOHN W BABCOCK

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 SC SD

2) Family number: 29371029 (US4776145A)

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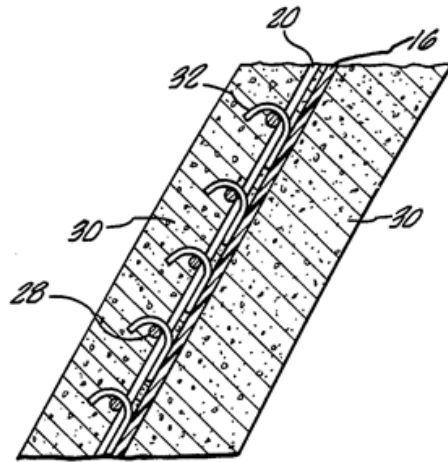
Title: MULTI PURPOSE DOME STRUCTURE AND THE CONSTRUCTION THEREOF

Abstract: An improved dome structure on a base is disclosed comprising of a membrane sandwiched between layers of rigidifying material such as shotcrete which also serve to embed the circumferential and radial prestressing members. Circumferential prestressing can be applied to minimize bursting stresses. Further layers of rigidifying material can then be applied over the circumferential prestressing as a final protection and cover. The radial prestressing materials can contain spacers or hooks to preclude the circumferential prestressing material from riding up on the structure. The lower portion of the dome can include a reverse curvature to minimize stresses and stabilize the structure.

Classifications:

International (IPC 8-9): B65D88/00 B65D88/34 B65D90/00 E04B1/16 E04B1/32 E04B7/08 E04B7/10 E04C5/08 E04C5/18 E04G11/04 E04G11/06 E04G11/36 E04G21/12 E04H7/20 E04H7/26 E04H7/28 (Advanced/Invention); E04B1/32 (Advanced/Non-invention); B65D88/00 B65D90/00 E04B1/16 E04B1/32 E04B7/08 E04C5/00 E04C5/18 E04G11/00 E04G21/12 E04H7/00 (Core/Invention)
International (IPC 1-7): B65D88/00 B65D90/00 E02D5/74 E04B1/16 E04B1/32 E04G11/04 E04H7/00
CPC: E04G2021/127 E04G11/045 E04B7/102 E04B1/3211 B65D88/34 E04B1/168 E04B7/08 E04B2001/3217 E04B2001/3264 E04C5/08 E04C5/18 E04G11/04 E04G11/065 E04G11/36 E04G21/12 E04H7/20 E04H7/26 E04H7/28
European: B65D88/34 E04B1/16F1 E04B1/32C E04B7/08 E04B7/10B E04C5/08 E04C5/18 E04G11/04 E04G11/06B2 E04G11/36 E04G21/12 E04H7/20 E04H7/26 E04H7/28 P04B1/32H P04B1/32N1
US: 156/143 220/319 264/32 264/34 405/229 405/244 417/38 427/496 427/501 427/508 427/513 52/169.7 52/2 52/2.15 52/215 52/223.14 52/223.2 52/223.3 52/223.4 52/223.6 52/223L 52/223R 52/224 52/235 52/245 52/247 52/249 52/297 52/298 52/309.16 52/309.17 52/573 52/573.1 52/741 52/741.1 52/741.4 52/745.01 52/745.06 52/745.07 52/745.2 52/80 52/80.1 52/800 52/801 52/81.1 52/81.6 52/980

PatBase - US4776145_A

**Family:**

Publication number	Publication date	Application number	Application date
AT76671 E	19920615	AT19870307967T	19870909
CA1300840 A1	19920519	CA19870547969	19870928
CA1315944 A1	19930413	CA19870616173	19870928
CA1315944 A2	19930413	CA19910616173	19910923
CA2153631 AA	19960123	CA19952153631	19950711
DE3779388 D1	19920702	DE19873779388	19870909
EP0262818 A2	19880406	EP19870307967	19870909
EP0262818 A3	19881026	EP19870307967	19870909
EP0262818 B1	19920527	EP19870307967	19870909
US4776145 A	19881011	US19830559911	19831209
US4879859 A	19891114	US19860915269	19861003
US5094044 A	19920310	US19900477715	19900209
US5105590 A	19920421	US19890436479	19891114
US5134830 A	19920804	US19890396377	19890821
US5177919 A	19930112	US19910753652	19910930
US5408793 A	19950425	US19930012986	19930129
US5675941 A	19971014	US19940279635	19940722
US5881530 A	19990316	US19970874494	19970613

Priority:

US19830559911 19831209	US19860915269 19861003	EP19870307967 19870909
CA19870547969 19870928	CA19870616173 19870928	CA19875479690 19870928
US19880206849 19880615	US19890396377 19890821	US19890436479 19891114
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US19910797904 19911126	US19930012986 19930129	US19930076261 19930611
US19940279635 19940722	CA19952153631 19950711	US19970874494 19970613

Probable Assignee: DYKMANS MAXIMILIAAN JACOBUS

Assignee(s): (std): DYKMANS MAX J ; DYKMANS MAXIMILIAAN J ; DYKMANS MAXIMILIAAN JACOBUS ; DYKMANS MAXIMILIAN JACOBUS ; DYKMANS MAXIMILLIAAN J ; DYKMANS MAXIMILLIAN J

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Agent(s): SMART AND BIGGAR

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

3) Family number: 65692036 (US2017139070A)

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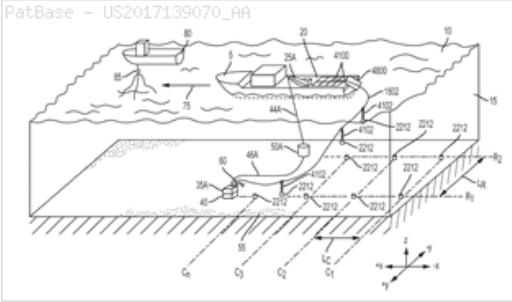
Title: BACK DECK AUTOMATION

Abstract: Systems and methods of deploying seismic data acquisition units from a marine vessel are disclosed. The system can include a spindle coupled to a tether. A robotic arm can couple the spindle to a tether via one or more tumblers. The

tether can connect to a seismic data acquisition unit via a connection block having a mechanical force device. The assembled spindle, tether and seismic data acquisition unit can be deployed from the deck via a deployment block.

Classifications:

International (IPC 8-9): B63B21/66 B63B35/04 F16G11/02
G01V1/20 G01V1/38 (Advanced/Invention)
International (IPC 1-7): B63B21/66 F16G11/02 G01V1/20 G01V1/38
CPC: G01V1/3843 G01V1/202 B63B21/66 G01V1/3852 F16B7/0486
US: 1/1 405/158



Family:

Publication number	Publication date	Application number	Application date
BR112018009958 A2	20181113	BR20181109958	20161116
CA3005446 AA	20180515	CA20163005446	20161116
CN108463743 A	20180828	CN201680079069	20161116
EP3377922 A1	20180926	EP20160805646	20161116
MX2018006085 A1	20181109	MX20180006085	20161116
US2017139070 AA	20170518	US20160353439	20161116
US2019346582 AA	20191114	US20190522726	20190726
WO17087527 A1	20170526	WO2016US62287	20161116

Priority:

US2015025646P 20151117 US20160353439 20161116 WO2016US62287 20161116
US20190522726 20190726

Probable Assignee: FAIRFIELD IND INC

Assignee(s): (std): FAIRFIELD IND INC

Assignee(s): MARC ETIENNE ; WORTHAN CHRISTOPHER ; BRIGHT TECHNOLOGIES LLC ; CAMPBELL RICHARD ; DNB BANK ASA AGENT AS

Inventor(s): (std): ETIENNE MARC ; RICHARD CAMPBELL ; CHRISTOPHER WORTHAN ; WORTHAN CHRISTOPHER ; CAMPBELL RICHARD ; MARC ETIENNE

Inventor(s): CAMPBELL RICHARD V ; WORTHAM KRISTOPHER

Agent(s): FINLAYSON AND SINGLEHURST; MODIANO GABRIELLA DIANA; DE VELLIS JAMES ET AL

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 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

4) Family number: 57262044 (FR3002243B)

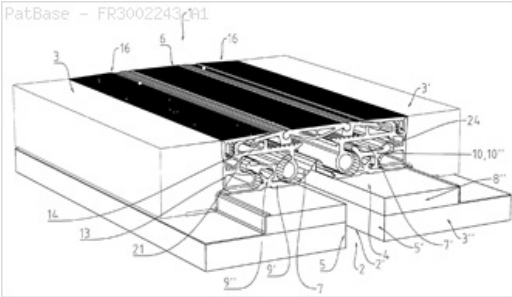
PatBase

Title: DISPOSITIF DE PONTAGE ETANCHE POUR JOINT DE DILATATION ET PROCEDE DE MONTAGE CORRESPONDANT

Abstract: Source: FR3002243B [FR] La presente invention a pour objet un dispositif de pontage etanche pour joint de dilatation et un procede de montage correspondant. Dispositif (1) de pontage etanche pour un joint de dilatation (2) entre des surfaces circulables (3, 3') comprenant, d'une part, deux elements allonges de support et d'ancrage (4) en deux parties inferieure et superieure, d'autre part, un element profile de pont (6), et, enfin, une membrane ou feuille d'etancheite (7) s'etendant continument a travers les elements de support et d'ancrage et la fente. Dispositif (1) caracterise en ce que chaque partie superieure est constituee d'un sabot (13), d'un etrier support (14) et d'une aile de recouvrement (16), la seconde piece (14) et la partie inferieure etant conformees pour constituer par engagement mutuel une liaison pivot.

Classifications:

International (IPC 8-9): E01C11/02 (Advanced/Invention)
CPC: E04B1/6804 E01C11/08 E01D19/06



Family:

Publication number	Publication date	Application number	Application date
FR3002243 A1	20140822	FR20130051495	20130221
FR3002243 B1	20150410	FR20130051495	20130221

Priority:

FR20130051495 20130221

Probable Assignee: TECNO K GIUNTI S R L

Assignee(s): (std): SOPREMA ; TECNO K GIUNTI S R L

Assignee(s): TECNO K GIUNTI SRL

Inventor(s): (std): BARBUTO MARCO ; TORSANI DAVIDE ; BINDSCHEDLER PIERRE ETIENNE ; GUINARD PAUL

Inventor(s): PIERRE ETIENNE BINDSCHIEDLER ; PAUL GUINARD ; MARCO BARBUTO ; DAVIDE TORSANI
Agent(s): CABINET NUSS

5) Family number: 68878048 (US2018071949A)

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Title: METHOD OF REINFORCED CEMENTITIOUS CONSTRUCTION BY HIGH SPEED EXTRUSION PRINTING AND APPARATUS FOR USING SAME

Abstract: The present invention relates to methods and apparatuses for an automated reinforced concrete construction system for onsite slip-form molding and casting a variety of cementitious mixes in a cast in place leave in place externally moldable flexible reinforced containment sleeve providing a wide variety of interchangeable full-scale molding configurations simultaneously optimizing a wide variety of cementitious mix curing characteristics, further having optional internal reinforcement net(s), for layer wise interlocking additive printed brick deposition providing improved slip-form mold casting of a wide variety of reinforced concrete structures; the present invention further includes a variety of operating platforms suitable for on and offsite construction as disclosed herein.

Classifications:

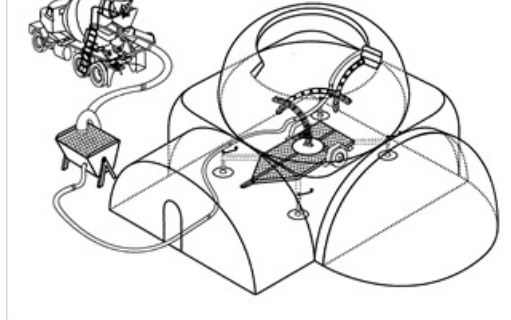
International (IPC 8-9): B28B B28B1/00 B28B17/00 B33Y10/00 B33Y30/00 B33Y50/02 E01C19/48 E04B1/16 E04B1/35 (Advanced/Invention); B28B (Subclass/Invention)

International (IPC 1-7): B28B1/00 E01C19/48

CPC: B33Y10/00 B33Y30/00 E04B1/32 E04B1/3505 E04B2103/02 E04G21/0463 B28B1/001 B28B17/0081 B33Y50/02 E04B1/16 E04B1/166

US: 1/1 264/34

PatBase - US2018071949_AA



Family:

Publication number	Publication date	Application number	Application date
AU2017326927 AA	20190321	AU20170326927	20170913
BR112019004893 A2	20190611	BR20191104893	20170913
CA3036127 AA	20190305	CA20173036127	20170913
CL2019000642 A1	20190809	CL20190000642	20190313
CN109923264 A	20190621	CN201780068252	20170913
EA201990497 A1	20190930	EA20190090497	20170913
EP3513003 A2	20190724	EP20170851192	20170913
ID201903703 A	20190524	ID2019PID02230	20170913
IL265324 A0	20190530	IL20170265324	20170913
IN201917008574 A	20190531	IN201917008574	20190305
KR20190057078 A	20190527	KR20197010158	20170913
SG11201901805T A1	20190429	SG20191101805	20170913
US2018071949 AA	20180315	US20170732072	20170913
WO18052469 A2	20180322	WO2017US00055	20170913
WO18052469 A3	20180426	WO2017US00055	20170913

Priority:

US20160495514P 20160914 US20170732072 20170913 WO2017US00055 20170913
CL20190000642 20190313

Probable Assignee: ARMATRON SYSTEMS LLC

Assignee(s): (std): ARMATRON SYSTEMS LLC ; GILES BRAN ; GILES BRIAN ; GILES BRIAN C

Inventor(s): (std): GILES BRIAN C ; GILES BRIAN ; GILES BRAN ; BRIAN C GILES

Agent(s): SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; ESTUDIO CAREY LTDA; HEINZE EKKEHARD; GEORGE WIDJOJO; MCKINNEY JEFFREY 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 IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI 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

6) Family number: 42523052 (US2008284145A)

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Title: TEMPERATURE-COMPENSATED AIRBAG INFLATOR

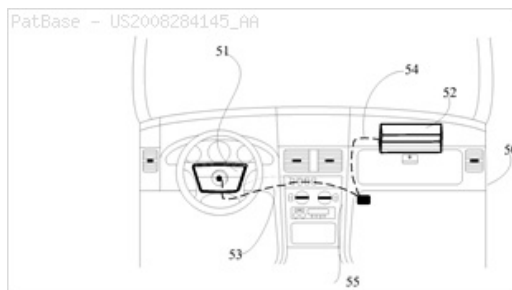
Abstract: Airbag inflator system includes an inflatable airbag, a housing and a gas generating system arranged in the housing for generating gas. The gas generating system provides variable amounts of gas to the airbag as a function of temperature. A nozzle may be arranged between the gas generating system and an interior of the airbag, the nozzle being varied as a function of temperature. The housing may be movably arranged relative to a fixed base and mounted to vary its relation to the base. To this end, elastic or temperature-deformable supports may be used to support the housing on the base. When the housing defines a chamber containing generated gas, the properties of a conduit between the chamber and the interior of the airbag can be varied as function of the pressure in the chamber.

Classifications:

International (IPC 8-9): B60R21/16 B60R21/213 B60R21/232 B60R21/26 (Advanced/Invention)

CPC: B60R21/0132 B60R21/2032 B60R21/206 B60R21/214 B60R21/232 B60R21/233 B60R21/235 B60R21/239 B60R21/26 B60R21/264 B60R21/30 B60R2021/0004 B60R2021/0006 B60R2021/23107 B60R2021/23153 B60R2021/23169 B60R2021/23192 B60R2021/23308 B60R2021/23316

B60R2021/23324 B60R2021/23504 B60R2021/23514
B60R2021/23519 B60R2021/23523 B60R2021/2612 B60R2021/2636
B60R21/16 B60R21/213
European: B60R21/0132 B60R21/206 B60R21/214 B60R21/232
B60R21/235 B60R21/26 B60R21/264 B60R21/30 L60R21/00A1
L60R21/00A2 L60R21/203F L60R21/206 L60R21/231C L60R21/231M
L60R21/231P L60R21/231W L60R21/232 L60R21/233 L60R21/233A
L60R21/233F L60R21/233H L60R21/235M L60R21/235M1C
L60R21/235M3 L60R21/235M5 L60R21/239 L60R21/261J
L60R21/263L3
US: 280/734 280/734S 280/736 280/736P 280/741 280/742



Family:

Publication number	Publication date	Application number	Application date
US2008284145 AA	20081120	US20070930250	20071031
US7740273 BB	20100622	US20070930250	20071031

Priority:

US19950571247 19951212	US19980073403 19980506	US20010767020 20010123
US20010925062 20010808	US20020043557 20020111	US20040974919 20041027
US20050131623 20050518	US20070930250 20071031	

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT

Assignee(s): AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC

Inventor(s): (std): BREED DAVID S

Agent(s): BRIAN ROFFE ESQ; BRIAN

7) Family number: 40991061 (US2008178819A)

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Title: SWIFTLETS FARMING FOR PRODUCTION OF EDIBLE BIRD'S NESTS

Abstract: A swiftlet breeding facility, for use in creating and harvesting edible bird's nests. The facility includes sub-systems for injecting live insect and worm prey, and water, into an aerial enclosure to provide a feeding system imitative of a natural swiftlet feeding environment.

Classifications:

International (IPC 8-9): A01K1/00 A01K31/00 A01K31/06

A01K31/12 A01K31/14 A01K31/16 A01K31/18 A01K31/22

A01K39/04 F24F5/00 F24F6/00 (Advanced/Invention);

E04B1/00 (Advanced/Non-invention);

A01K1/00 A01K31/00 (Core/Invention);

E04B1/00 (Core/Non-invention)

International (IPC 1-7): A01K1/00 A01K31/00

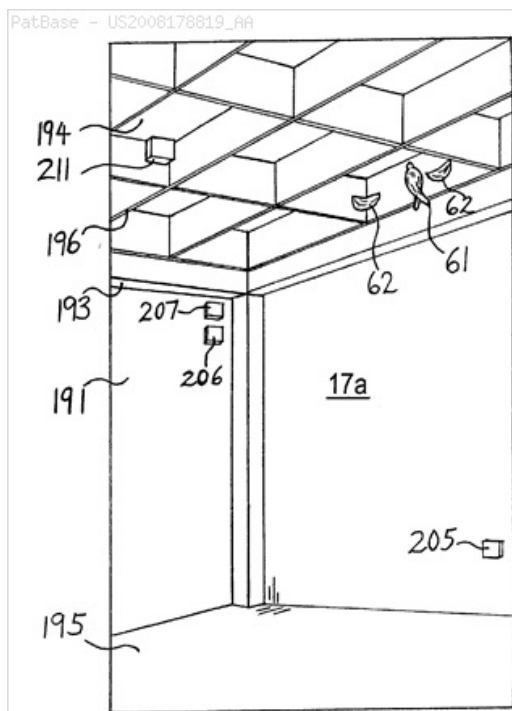
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A01K31/14 Y02P60/521

European: A01K31/00 A01K31/06 A01K31/14 A01K31/22

US: 1/1 119/300 119/346 119/436 119/436S 119/437 119/448

119/448S 119/449 119/531 119/531S 52/741.1 52/741.100S



Family:

Publication number	Publication date	Application number	Application date
MY167009 A	20180731	MY20100005762	20101203
SG136025 A1	20071029	SG20060082499	20061201
SG152946 A1	20090629	SG20070181126	20071123
SG171554 A1	20110629	SG20100008551	20101122
SG171554 A1	20110629	SG201000085512	20101122
TH115495 A	20120731	TH20101001844	20101203
US2008178819 AA	20080731	US20070949695	20071203
US2010139572 AA	20100610	US20090630309	20091203
US2012048205 AA	20120301	US20110218197	20110825
US2012255501 AA	20121011	US20120526929	20120619
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US2014318468 AA	20141030	US20140328285	20140710
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US2019090460 AA	20190328	US20180140975	20180925
US8205577 BB	20120626	US20090630309	20091203
US8210126 BB	20120703	US20070949695	20071203
US8651061 BB	20140218	US20120526929	20120619
US9066501 BB	20150630	US20140179985	20140213
US9839201 BB	20171212	US20150755493	20150630
US10080350 BB	20180925	US20170838555	20171212

Priority:

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US20170838555 20171212	US20180973850 20180508	US20180140975 20180925

Probable Assignee: SIA YIK HEI

Assignee(s): (std): SIA YIK HEI ; TAN JEE HONG

Inventor(s): (std): TAN JEE HONG ; SIA YIK HEI ; HONG TAN JEE ; HEI SIA YIK

Agent(s): CROCKETT AND CROCKETT; CROCKETT AND CROCKETT PC; NIKY ECONOMY; K DAVID; NIKY ECONOMY; CROCKETT ESQ K DAVID; SYRENGELAS ESQ NIKY ECONOMY

8) Family number: 43929065 (WO08011213A2)

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Title: A LOW TEMPERATURE GASIFICATION FACILITY WITH A HORIZONTALLY ORIENTED GASIFIER

Abstract: A low-temperature gasification system comprising a horizontally oriented gasifier is provided that optimizes the extraction of gaseous molecules from carbonaceous feedstock while minimizing waste heat. The system comprises a plurality of integrated subsystems that work together to convert municipal solid waste (MSW) into electricity. The subsystems comprised by the low-temperature gasification system are: a Municipal Solid Waste Handling System; a Plastics Handling System; a Horizontally Oriented Gasifier with Lateral Transfer Units System; a Gas Reformulating System; a Heat Recycling System; a Gas Conditioning System; a Residue Conditioning System; a Gas Homogenization System and a Control System.

Classifications:

International (IPC 8-9): B09B3/00 C02F11/10 C10J C10J1/207

C10J3/00 C10J3/20 C10J3/72 C10K3/00 F23G5/027 F23G5/08

F23G5/12 F23K3/14 (Advanced/Invention);

C10J3/00 F23G5/08 (Core/Invention);

C10J (Subclass/Invention)

International (IPC 1-7): C10J3/00 F23G5/12

CPC: B09B3/00 C10J3/00 C10K3/00 C10J3/20 C10J3/482 Y02E20/18

Y02E50/32 Y02W10/37 Y02P20/129 Y02P20/13 C10J2300/0983

C10J2300/165 C10J2300/1693 C10K1/101 C10K1/12 C10K1/122

C10K1/14 C10K1/16 C10K1/20 C10K1/32 C10K1/003 C10K1/024

C10K3/008 C10J3/84 C10J3/463 C10J3/723 C10J3/82 C10J2200/09

C10J2300/0946 C10J2300/1223 C10J2300/1238 C10J2300/1634

C10J2300/1671 C10J2300/1681 F23G5/027 F23G5/085

F23G2204/201 F23G2209/262 F23J7/00 F23J2219/70 Y02E20/12

European: B09B3/00 C10J3/00 C10J3/20 C10J3/46B C10J3/48B

C10J3/72C C10J3/82 C10J3/84 C10K1/10B C10K1/12 C10K1/12D

C10K1/14 C10K1/16 C10K1/20 C10K1/32 F23G5/027 F23G5/08C

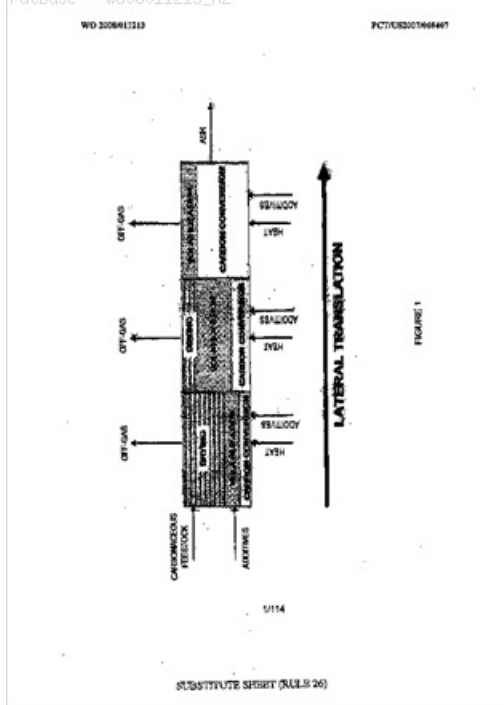
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M10J300/16P M10J300/16V R23G204/201 R23G209/262 R23J219/70

Y02E20/12 Y02E50/32

PatBase - WO08011213_A2



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Publication number	Publication date	Application number	Application date
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AR061413 AA	20080827	AR2007P101975	20070507
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SMAP2008000066 A	20081203	SM20080000066T	20070507
SMP2008000066 B	20091106	SM20080000066T	20070507
TW200823284 A	20080601	TW20070116178	20070507
TWI427140 B	20140221	TW20070116178	20070507
WO08011213 A2	20080124	WO2007US68407	20070507
WO08011213 A3	20080410	WO2007US68407	20070507

Priority:

US20060797973P 20060505	AU20060254672 20060605	AU20060254673 20060605
WO2006CA00882 20060605	WO2006CA00881 20060605	US20060864116P 20061102
US20070911179P 20070411	WO2007US68407 20070507	

Probable Assignee: PLASCOENERGY IP HOLDINGS

Assignee(s): (std): PLASCO ENERGY GROUP INC ; PLASCO ENERGY IP HOLDING S L ; PLASCOENERGY IP HOLDINGS ; PLASCOENERGY IP HOLDINGS S L ; PLASCOENERGY IP HOLDINGS S L B ; TSANGARIS ANDREAS ; SWAIN MARGARET ; PLASCOENERGY IP HOLDINGS SLB ; PLASCOENERGY IP HOLDINGS S L BILBAO SCHAFFHAUSEN BRANCH ; PLASCOENERGY IP HOLDINGS S L S

Assignee(s): PLASCOENERGY IP HOLDINGS S L EN BRH ; PLASCOENERGY IP HOLDINGS SL ; PLASCOENERGY IP HOLDINGS SL BILBAO ; PLASCOENERGY IP HOLDINGS SLEN BRH ; PLASCOENERGY IP HOLDINGS S L SCHAUFFHAUSEN BRANCH ; PLASCOENERGY IP HOLDINGS SL BILBAO SCHAFFHAUSEN BRANCH ; PLASCOENERGY IP HOLDINGS S L BILBAO

Inventor(s): (std): MARCEAU PASCALE BONNIE ; ZOU XIAOPING ; DOBBS GEOFFREY ; TSANGARIS ANDREAS ; SWAIN MARGARET ; THOMAS EDWARD WAGLER ; PASCALE BONNIE MARCEAU ; SCOTT DOUGLAS BASHAM ; GEOFFREY DOBBS ; NIPUN SONI ; MARGARET SWAIN ; KENNETH CRAIG CAMPBELL ; MAO PEI CUI ; ZHIYUAN SHEN ; ALISDAIR ALAN MCLEAN ; ASHISH CHOTALIYA ; ANDREAS TSANGARIS ; DOUGLAS MICHAEL FEASBY ; XIAOPING ZOU ; PEI CUI MAO ; PASCALE MARCEAU BONNIE ; CRAIG CAMPBELL KENNETH ; MICHAEL FEASBY DOUGLAS ; EDWARD WAGLER THOMAS ; ALAN MCLEAN ALISDAIR ; DOUGLAS BASHAM SCOTT ; FEASBY DOUGLAS MICHAEL ; WAGLER THOMAS EDWARD ; SHEN ZHIYUAN ; MCLEAN ALISDAIR ALAN ; CUI MAO PEI ; SONI NIPUN ; CAMPBELL KENNETH CRAIG ; CHOTALIYA ASHISH ; BASHAM SCOTT DOUGLAS ; MC LEAN ALISDAIR ALAN ; BASHAM SCOTT D ; FEASBY DOUGLAS M ; CAMPELL KENNETH CRAIG ; FEASBY DOUGLAS MICHEAL ; BONNIE MARCEAU PASCALE

Inventor(s): MARCEAU BONNIE PASCALE

Agent(s): GRIFFITH HACK; PAGET HUGH CHARLES EDWARD ET AL; REINHOLD COHN AND PARTNERS; LORENZ DAVID J ET AL

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 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 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 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

9) Family number: 57414072 (US2016030856A) © PatBase

Title: DISTILLATION REACTOR MODULE

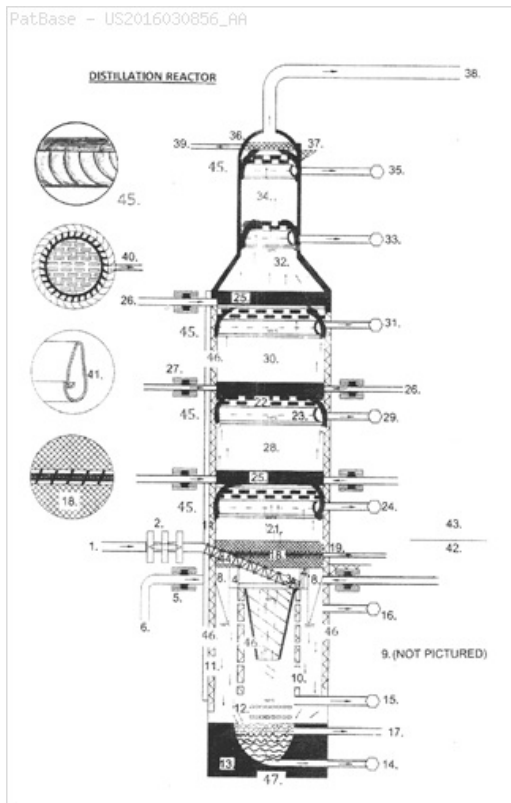
Abstract: The distillation reactor consists of a reactor apparatus with corresponding method of upstream distilling and purification of carbon based liquid or liquidized streams for use as fuels, lubricating oils and or gaseous energy and electricity production. The distillation reactor consolidates the atmospheric and vacuum distillation processes along with desalting, defueling, deasphalting, fractionation, thin/wiped film evaporation and Hydro finishing into an advanced high velocity, high volume single reactor system. Carbon based feed streams include either a single stream or preferably, a combined stream of liquefied coal slurries, crude oils, spent oils, Pyrolyic oils and or peat or other plant carbon derived liquids, vapors, mists or gases. The method further consists of controlling the mix ratio, flow velocity, sequential fractionation and filtration technology and processing atmospheres of the carbon feeds with the reactor apparatus. The combined apparatus and method allows for a refinery to consistently produce a finished barrel of oil well below traditional costs and at a higher efficiency than current art and prior art.

Classifications:

International (IPC 8-9): B01D3/00 B01D3/06 B01D3/10 B01D3/26 B01D3/32 B01D39/20 B01D53/48 B01D53/62 B01D59/04 B01J B01J19/24 B01J19/26 B01J2/00 B01J6/00 B01J8/24 B02C23/00 B03C1/00 B22F3/10 B22F9/00 B29B17/00 C01B17/027 C01B17/74 C02F1/00 C10B49/12 C10G1/00 C10G11/18 C10G33/00 C10G45/00 C10G57/00 C10G7/00 C10G7/06 C10G9/04 C10J3/72 C10L9/10 C22B13/00 C22B15/00 C22B21/00 C22B7/00 C22B9/00 F03G7/00 F27B17/00 G21C1/02 G21D5/00 H01M10/54 H01M8/00 H02K55/02 H02K7/09 (Advanced/Invention)

CPC: Y02E30/40 G21D1/00 B01J19/0093 B01J2219/00864 B01J2219/00867 B01J2219/00871 C01G21/02 C01B3/32 C01B13/02 C01B17/02 C01B2203/0205 C01B2203/0283 C01B2203/043 C01B2203/0445 C01B2203/0475 C10G1/02 C10G1/10 C10G31/08 C10G75/04 Y02P20/129 B09B5/00 Y02P30/446 Y02E30/30 B01D3/10 B01D3/006 B01D3/06 B01D39/2027 F03G7/00 B01D3/009 C10G7/06 G21C1/00 G21D5/00 C10G7/00 C10G57/00 C10G7/003 C10L9/10 C10J3/72 C10G1/00 C01B17/027 C01B17/74 B01J6/008 B01J2/00 B01J19/24 B01D53/48 B01D53/62 C22B9/00 F27B17/00 C02F1/00 C22B7/00 B29B17/00 B22F3/10 B22F9/00 C22B21/00 C22B15/00 C22B13/00 H01M8/00 H01M10/54 H02K55/02 H02K7/09 B02C23/00 B03C1/00 C10L2290/544 C10J2300/093 C10J2300/0946 B22F2009/001 C01B17/48 C10G11/18 C10G33/00 C10G45/00 Y02E20/16 Y02E20/18 Y02W10/33 Y02W10/37 Y02W30/84 C01B32/05 C01B32/20 C01B32/50 Y02P10/143

US: 196/46 202/232 209/213 210/251 241/301 241/65 266/160 310/90.5 422/129 422/170 422/187 422/198 422/255 423/522 423/567.1 429/49 505/163 505/166 60/698

**Family:**

Publication number	Publication date	Application number	Application date
CA2907677 AA	20150921	CA20142907677	20140318
EP2969180 A2	20160120	EP20140762668	20140318
EP2969180 A4	20161005	EP20140762668	20140318
IL242590 A0	20160131	IL20140242590	20140318
JP2016512165 T2	20160425	JP20160502609T	20140318
US2016030856 AA	20160204	US20140776734	20140318
US2016032904 AA	20160204	US20140776736	20140318
US2016045841 AA	20160218	US20140776732	20140515
WO14146129 A2	20140918	WO2014US31118	20140318
WO14146129 A3	20150129	WO2014US31118	20140318
WO14153570 A2	20140925	WO2014US38290	20140515
WO14153570 A3	20150219	WO2014US38290	20140515
WO14153570 A9	20150806	WO2014US38290	20140515
WO14200605 A2	20141218	WO2014US31116	20140318
WO14200605 A3	20150326	WO2014US31116	20140318
WO14200605 A4	20150430	WO2014US31116	20140318
WO14200605 A9	20150205	WO2014US31116	20140318

Priority:

US20130800209P 20130315	US20130801170P 20130315	US20130801491P 20130315
US20140776734 20140318	US20140776736 20140318	WO2014US31118 20140318
WO2014US31116 20140318	US20140776732 20140515	WO2014US38290 20140515

Probable Assignee: TRANSTAR GROUP LLC**Assignee(s):** (std): BRADLEY RANDALL ; KALPAN ALLEN ; KAPLAN ALLEN ; TRANSTAR GROUP LTD**Assignee(s):** TRANSTAR GROUP LLC**Inventor(s):** (std): KALPAN ALLEN ; BRADLEY RANDALL ; KAPLAN ALLEN**Agent(s):** ADE AND CO INC; NELLIGAN OBRIEN PAYNE LLP; PERRONACE ANDREA; HERSHKOVITZ ABRAHAM ET AL; HERSHKOTIZ ABRAHAM ET AL

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

10) Family number: 44040073 (GB2485951A)

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Title: HEATING SYSTEM FOR A SUBSURFACE FORMATION

Abstract: A heating system for a subsurface formation comprising: a first heater configuration, comprising: a conduit located in a first opening in the subsurface formation; three electrical conductors located in the conduit; a return conductor located inside the conduit, the return conductor being electrically coupled to the ends of the electrical conductors distal from the surface of the formation; and insulation located inside the conduit, the insulation being configured to electrically insulate the three electrical conductors, the return conductor, and the conduit from each other.

Classifications:

International (IPC 8-9): C10G1/02 E21B36/04 E21B43/16 E21B43/24 E21B43/243 E21B47/022 (Advanced/Invention);

E21B36/00 E21B43/16 (Core/Invention)
CPC: Y10T29/49083 C10G1/02 E21B43/243 E21B47/02216
E21B43/2401 E21B43/16 C09K8/845 C09K8/86 C10G1/008
C10G1/04 C10G1/042 E21B43/24 E21B36/04
European: E21B36/04 E21B43/24B

PatBase - GB2485951_A1

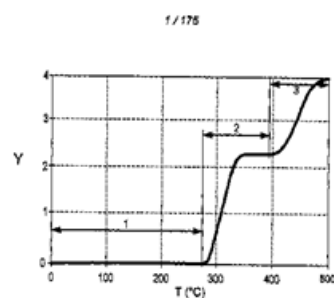


FIG. 1

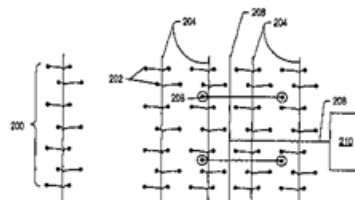


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
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AU2008242799 BB	20120119	AU20080242799	20080418
BRPI0810052 A2	20170808	BR2008PI10052	20080418
CA2684420 AA	20081030	CA20082684420	20080418
CA2684420 C	20161018	CA20082684420	20080418
CN101680292 A	20100324	CN200880017267	20080418
CN101680292 B	20130529	CN200880017267	20080418
EP2142758 A1	20100113	EP20080746209	20080418
GB201205244 A0	20120509	GB20120005244	20120323
GB201205245 A0	20120509	GB20120005245	20120323
GB2485951 A1	20120530	GB20120005244	20120323
GB2485951 A1	20120530	GB20120005244	20080418
GB2485951 B2	20120808	GB20120005244	20120323
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JP2010525196 T2	20100722	JP20100504263T	20080418
JP5149959 B2	20130220	JP20100504263T	20080418
MX2009011117 A1	20091028	MX20090011117	20080418

Priority:

US20070925685P 20070420 US20070999839P 20071019 WO2008US60743 20080418

Probable Assignee: SHELL INT RESEARCH

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

Assignee(s): SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ BESLOTEN VENNOOTSAP ; HARRIS CHRISTOPHER KELVIN ; KARANIKAS JOHN MICHAEL ; NGUYEN SCOTT VINH ; SHELL INT RESEARCH MIJ BESLOTEN VENNOOTSAP ; SHELL INT RESEARCH MIJ BV ; SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B V ; SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B V

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

Inventor(s): CHRISTOPHER KELVIN HARRIS ; JOHN MICHAEL KARANIKAS ; SCOTT VINH NGUYEN ; WILLEM JAN ANTOON HENRI SCHOEBER ; HAROLD J VINEGAR ; ROBERT CHARLES RYAN ; CHIA FU HSU ; MICHAEL DAVID FAIRBANKS ; MONICA M PINGO ALMADA ; ETUAN ZHANG ; RALPH STERMAN BAKER ; GEORGE LEO STEGEMEIER ; JR JOSEPH ARNO HORTON ; MICHAEL LEONARD SANTELLA ; STEPHEN PALMER HIRSHBLOND ; DAVID BOOTH BURNS ; RUIJIAN LI ; LANNY GENE SCHOELING ; RICHARD GENE

NELSON ; STANLEY LEROY MASON ; JOHANNES LEENDERT WILLEM CORNELIS DEN BOESTERT ; ABDUL WAHID MUNSHI ; DAVID SCOTT MILLER ; ZAIDA DIAZ ; MARK ALAN SIDDOWAY ; THOMAS JOSEPH KELTNER ; STEVEN PAUL GILES ; MICHEL SERGE MARIE MUYLLE ; FARAZ ABBASI ; KENNETH MICHAEL COWAN ; JOHN MICHAEL VITEK ; CHESTER LEDLIE SANDBERG ; RICHARD A HINSON ; ERIC PIERRE DE ROUFFIGNAC ; GOREM HERON ; XUEYING XIE ; MYRON IRA KUHLMAN ; IAN ALEXANDER DAVIDSON ; WILHELMUS MARIA BOND ; WILLIAM GEORGE COIT ; JEAN CHARLES GINESTRA ; MICHAEL SCOTT COSTELLO ; RONNIE WADE WATKINS ; DONG SUB KIM ; BILLY JOHN II MCKINZIE ; VINOD KUMAR SIKKA ; RALPH ANTHONY CHERRILLO ; CHARLES R GOODWIN ; PAUL TAYLOR HAMILTON ; JAMES LOUIS MENOTTI ; GENE RICHARD LAMBIRTH ; MICHAEL PATRICK BRADY ; THOMAS DAVID FOWLER ; PETER TERRY GRIFFIN ; PHILIP JAMES MAZIASZ ; REMCO HUGO MANDEMA ; SAU WAI WONG ; RANDY CARL JOHN ; WALTER FARMAYAN ; WEIJIAN MO ; FREDERICK GORDON CARL ; RONALD MARSHALL BASS ; DEL SCOTT CHRISTENSEN ; AUGUSTINUS WILHELMUS MARIA ROES ; JR FRANCIS MARION STONE ; PERINGANDOR RAMAN HARIHARAN ; JOHANNES KORNELIS MINDERHOUD ; ALAN ANTHONY DEL PAGGIO ; WOLFGANG FRIEDRICH JOHANN DEEG ; ROBERT LENKE ; ARTHUR HERMAN HALE ; NAVAL GOEL ; ALLAN JAMES SAMUEL ; CHARLES D ANGELO III ; JOHN PAUL SHINGLEDECKER ; VIJAY NAIR ; JOSEPH PHILLIP BRIGNAC JR ; JOACHIM HUGO SCHNEIBEL ; BERNARD GOLDBERG

Agent(s): SPRUSON AND FERGUSON; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; MATTHEZING ROBERT MAARTEN; ONO SHINJIRO; HOSHINO OSAMU; TERACHI TAKUMI; TOMITA HIROYUKI; OKIMOTO KAZUAKI; TAGAMI YASUKO; KOBAYASHI YASUSHI

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 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 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

11) Family number: 42142081 (US2010036393A)

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Title: METHODS, SYSTEMS AND DEVICES FOR THREE DIMENSIONAL INPUT, AND CONTROL METHODS AND SYSTEMS BASED THEREON

Abstract: A Robotic control system has a wand, which emits multiple narrow beams of light, which fall on a light sensor array, or with a camera, a surface, defining the wand's changing position and attitude which a computer uses to direct relative motion of robotic tools or remote processes, such as those that are controlled by a mouse, but in three dimensions and motion compensation means and means for reducing latency.

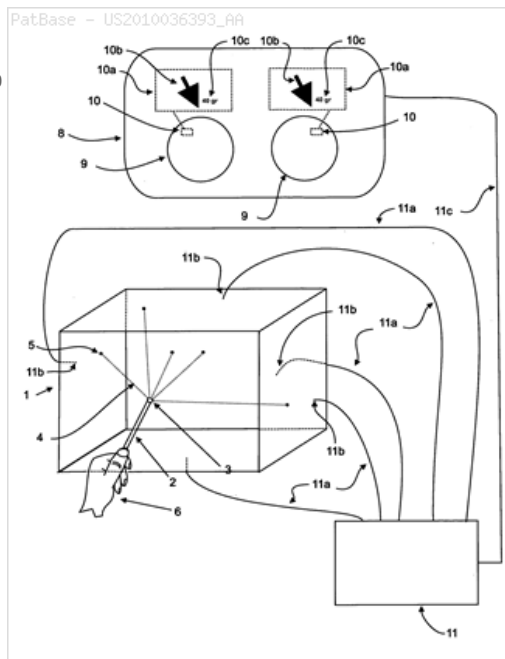
Classifications:

International (IPC 8-9): A61B19/00 A61B34/00 A61B34/10 A61B34/20 A61B34/30 A61B34/37 A61B5/11 A61B90/00 B25J9/00 G01B11/25 G01D21/00 G01D5/26 G05B19/02 G05B23/02 G06F19/00 G06F3/01 G06F3/03 G06F3/033 G06F3/041 G06K11/06 G06K9/00 G06K9/78 G06T11/00 H04N5/74 H04N7/18 (Advanced/Invention); A61B17/00 A61B34/20 A61B90/00 (Advanced/Non-invention); A61B19/00 A61B5/11 B25J9/00 G01B11/24 G01D21/00 G05B19/02 G05B23/02 G06F19/00 G06F3/033 G06F3/041 G06K11/06 G06K9/00 G06K9/78 H04N5/74 H04N7/18 (Core/Invention)

CPC: A61B34/20 A61B34/25 A61B34/30 A61B34/70 A61B34/74 A61B34/76 A61B90/36 A61B2017/00207 A61B2017/00703 A61B2034/2051 A61B2034/2055 A61B2034/2068 A61B2090/365 A61B34/10 A61B34/37 A61B90/361 A61B2034/107 G01D5/262 G06F3/016 G06F3/0308 G06F3/0325 A61B90/06 A61B2090/062 G06T11/00 H05K999/99

European: A61B19/22 G01D5/26B G06F3/01F G06F3/03H1 G06F3/03H6 K61B17/00C7 K61B17/00Q4H K61B19/22B K61B19/22J K61B19/22N K61B19/52 K61B19/52H12 K61B19/52H12B4 K61B19/52H12B6 K61B19/52H12D K61B19/52L2 K61B19/56

US: 1/1 345/632 356/610 356/610S 382/128 382/153 382/153S 382/154 606/130 606/130P 700/245 700/245S 700/257 901/41 901/41S 901/47 901/47S



Family:

Publication number	Publication date	Application number	Application date
US2010036393 AA	20100211	US20080449779	20080229
US2014316435 AA	20141023	US20140302723	20140612
US2016030122 AA	20160204	US20150831045	20150820
US2016346051 AA	20161201	US20160211295	20160715
US2017333140 AA	20171123	US20170490098	20170418
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Priority:

US20070904187P 20070301	US20070921467P 20070403	US20070907723P 20070413
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Probable Assignee: TITAN MEDICAL INC

Assignee(s): (std): TITAN MED INC ; UNSWORTH JOHN ; UNSWORTH JOHN D

Assignee(s): TITAN MEDICAL INC

Inventor(s): (std): UNSWORTH JOHN D ; UNSWORTH JOHN

Agent(s): LESTER H BIRNBAUM; DOLLY; PERRY AND CURRIER INC; KNOBBE MARTENS OLSON AND BEAR LLP; RIDOUT AND MAYBEE LLP

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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

12) Family number: 43929083 (CA2651449A)

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Title: A LOW TEMPERATURE GASIFICATION FACILITY WITH A HORIZONTALLY ORIENTED GASIFIER

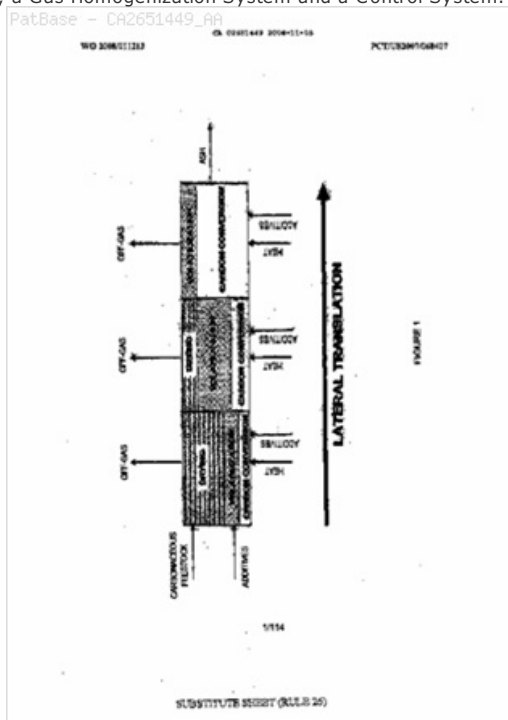
Abstract: A low-temperature gasification system comprising a horizontally oriented gasifier is provided that optimizes the extraction of gaseous molecules from carbonaceous feedstock while minimizing waste heat. The system comprises a plurality of integrated subsystems that work together to convert municipal solid waste (MSW) into electricity. The subsystems comprised by the low-temperature gasification system are: a Municipal Solid Waste Handling System; a Plastics Handling System; a Horizontally Oriented Gasifier with Lateral Transfer Units System; a Gas Reformulating System; a Heat Recycling System; a Gas Conditioning System; a Residue Conditioning System; a Gas Homogenization System and a Control System.

Classifications:

International (IPC 8-9): C10J1/207 C10J3/20 C10J3/72 F23G5/027 F23G5/12 (Advanced/Invention); F23K3/14 (Advanced/Non-invention)

CPC: C10J3/84 C10J3/20 C10J3/482 C10J3/723 C10J3/82 C10J2200/09 C10J2300/0946 C10J2300/1223 C10J2300/1238 C10J2300/1634 C10J2300/1671 C10J2300/1681 F23G5/027 F23G5/085 F23G2204/201 F23G2209/262 F23J7/00 F23J2219/70 Y02E20/12 Y02E20/18 Y02E50/32 Y02P20/129 Y02P20/13

European: C10J3/20 C10J3/48B C10J3/72C C10J3/82 C10J3/84 F23G5/027 F23G5/08C F23J7/00 M10J200/09 M10J300/09D14 M10J300/12F M10J300/12H2 M10J300/16D2D M10J300/16K M10J300/16P R23G204/201 R23G209/262 R23J219/70 Y02E50/32



Family:

Publication number	Publication date	Application number	Application date
CA2651449 AA	20080124	CA20072651449	20070507
CA2651449 C	20110104	CA20072651449	20070507

Priority:

US20060797973P 20060505	WO2006CA00881 20060605	WO2006CA00882 20060605
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WO2007US68407 20070507		

Probable Assignee: PLASCO ENERGY GROUP INC

Assignee(s): (std): PLASCO ENERGY GROUP INC

Assignee(s): SONI NIPUN ; TSANGARIS ANDREAS ; WAGLER THOMAS EDWARD ; SHEN ZHIYUAN ; MCLEAN ALISDAIR ALAN ; ZOU XIAOPING ; MARCEAU PASCALE BONNIE ; SWAIN MARGARET ; PLASCO CONVERSION TECHNOLOGIES INC ; BASHAM SCOTT DOUGLAS ; CAMPBELL KENNETH CRAIG ; CHOTALIYA ASHISH ; CUI MAO PEI ; DOBBS GEOFFREY ; FEASBY DOUGLAS MICHAEL

Inventor(s): (std): TSANGARIS ANDREAS ; CUI MAO PEI ; SONI NIPUN ; MARCEAU PASCALE BONNIE ; MCLEAN ALISDAIR ALAN ; FEASBY DOUGLAS MICHAEL ; CAMPBELL KENNETH CRAIG ; BASHAM SCOTT DOUGLAS ; CHOTALIYA ASHISH ; WAGLER THOMAS EDWARD ; DOBBS GEOFFREY ; SWAIN MARGARET ; ZOU XIAOPING ; SHEN ZHIYUAN

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP

13) Family number: 47630084 (CA2714911A)

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Title: A LOW TEMPERATURE GASIFICATION FACILITY WITH A HORIZONTALLY ORIENTED GASIFIER

Abstract: A low-temperature gasification system comprising a horizontally oriented gasifier is provided that optimizes the extraction of gaseous molecules from carbonaceous feedstock while minimizing waste heat. The system comprises a plurality of integrated subsystems that work together to convert municipal solid waste (MSW) into electricity. The subsystems

comprised by the low-temperature gasification system are: a Municipal Solid Waste Handling System; a Plastics Handling System; a Horizontally Oriented Gasifier with Lateral Transfer Units System; a Gas Reformulating System; a Heat Recycling System; a Gas Conditioning System; a Residue Conditioning System; a Gas Homogenization System and a Control System.

Classifications:

International (IPC 8-9): C10J1/207 C10J3/20 C10J3/72

F23G5/027 (Advanced/Invention)

CPC: Y02P20/129 C10J3/84 C10J3/20 C10J3/482 C10J3/723

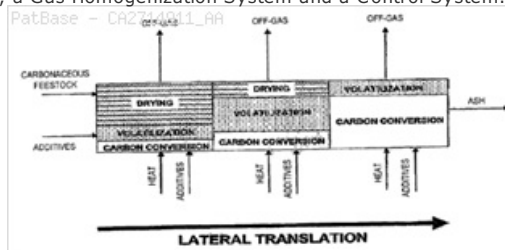
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F23G5/027 F23G5/085 F23G2204/201 F23G2209/262 F23J7/00

F23J2219/70 Y02E20/12 Y02E20/18 Y02E50/32 Y02P20/13

European: Y02E20/12



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20060797973P 20060505	WO2006CA00881 20060605	WO2006CA00882 20060605
US20060864116P 20061102	US20070911179P 20070411	CA20072651449 20070507
CA20072714911 20070507	CA20102651449 20101007	

Probable Assignee: PLASCO ENERGY GROUP INC

Assignee(s): (std): PLASCO ENERGY GROUP INC

Assignee(s): DOBBS GEOFFREY ; MARCEAU PASCALE BONNIE ; SWAIN MARGARET ; FEASBY DOUGLAS MICHAEL ; SHEN ZHIYUAN ; SONI NIPUN ; MCLEAN ALISDAIR ALAN ; WAGLER THOMAS EDWARD ; ZOU XIAOPING ; TSANGARIS ANDREAS ; BASHAM SCOTT DOUGLAS ; CAMPBELL KENNETH CRAIG ; CHOTALIYA ASHISH ; CUI MAO PEI

Inventor(s): (std): SWAIN MARGARET ; FEASBY DOUGLAS MICHAEL ; TSANGARIS ANDREAS ; WAGLER THOMAS EDWARD ; MARCEAU PASCALE BONNIE ; SHEN ZHIYUAN ; MCLEAN ALISDAIR ALAN ; CUI MAO PEI ; SONI NIPUN ; ZOU XIAOPING ; CAMPBELL KENNETH CRAIG ; DOBBS GEOFFREY ; CHOTALIYA ASHISH ; BASHAM SCOTT DOUGLAS

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP

14) Family number: 42236096 (US2008243342A)

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Title: SIDE CURTAIN AIRBAG WITH INFLATOR AT END

Abstract: Airbag inflator system includes an inflatable airbag, e.g., a side curtain airbag, a housing, a gas generating system arranged apart from the housing for generating gas, and a conduit leading from the gas generating system to the housing to provide gas to the housing, e.g., to a lateral end of the housing. A filter may be arranged between the gas generating system and the housing, possibly in the conduit. A nozzle may be arranged between the gas generating system and an interior of the airbag, which nozzle is varied as a function of temperature. The housing may be movably arranged relative to a fixed base and mounted to vary its relation to the base as a function of temperature, e.g., via elastic or deformable supports which support the housing on the base.

Classifications:

International (IPC 8-9): B60R21/0132 B60R21/16 B60R21/206

B60R21/213 B60R21/214 B60R21/232 B60R21/235 B60R21/26

B60R21/264 B60R21/30 G06F17/00 (Advanced/Invention);

B60R21/00 B60R21/203 B60R21/231 B60R21/233 B60R21/239

B60R21/261 B60R21/263 (Advanced/Non-invention)

CPC: B60R21/0132 B60R21/2032 B60R21/206 B60R21/214

B60R21/232 B60R21/233 B60R21/235 B60R21/239 B60R21/26

B60R21/264 B60R21/30 B60R2021/0004 B60R2021/0006

B60R2021/23107 B60R2021/23153 B60R2021/23169

B60R2021/23192 B60R2021/23308 B60R2021/23316

B60R2021/23324 B60R2021/23504 B60R2021/23514

B60R2021/23519 B60R2021/23523 B60R2021/2612 B60R2021/2636

B60R21/16 B60R21/213

European: B60R21/0132 B60R21/206 B60R21/214 B60R21/232

B60R21/235 B60R21/26 B60R21/264 B60R21/30 L60R21/00A1

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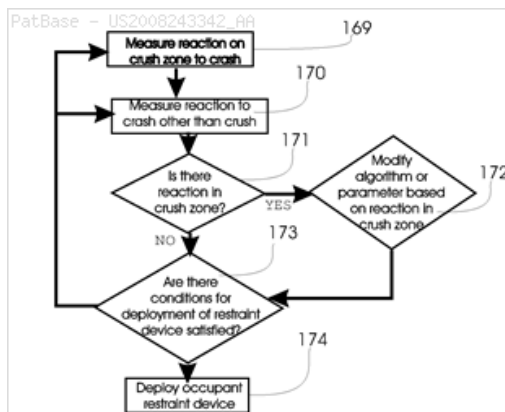
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L60R21/235M3 L60R21/235M5 L60R21/239 L60R21/261J

L60R21/263L3

US: 280/728.2 280/728.200S 280/730.2 280/730.200S 280/736 701/45 701/45P



Family:

Publication number	Publication date	Application number	Application date
US2008243342 AA	20081002	US20070930330	20071031
US9043093 BB	20150526	US20070930330	20071031
US9043093 K1	20190520	US20070930330	20071031

Priority:

US19950571247 19951212	US19980073403 19980506	US20010767020 20010123
US20010925062 20010808	US20020043557 20020111	US20040974919 20041027
US20050131623 20050518	US20070930330 20071031	

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AMERICAN VEHICULAR SCIENCES LLC ; AUTOMOTIVE TECH INT ; BREED DAVID S

Assignee(s): AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC

Inventor(s): (std): BREED DAVID S

Agent(s): BRIAN ROFFE ESQ; MCANDREWS HELD AND MALLOY LTD

Title: ROOFING SYSTEM AND METHOD

Abstract: A roof mounting system can include a roof substrate and flashing supportable on the substrate and including an outwardly extending projection having a concave interior side and an aperture extending through the projection between top and bottom surfaces of the flashing. A seal can extend through the aperture and contact at least a portion of the top surface and at least a portion of the bottom surface. The seal can be conformable with the concave interior side and can define a seal aperture substantially aligned with the flashing aperture. A mounting bracket can be supportable on the flashing and can define an aperture sized to receive at least a portion of each of the seal and the projection. A fastener can extend through the mounting bracket aperture, seal aperture, and flashing aperture to inhibit fluid flow through the flashing aperture.

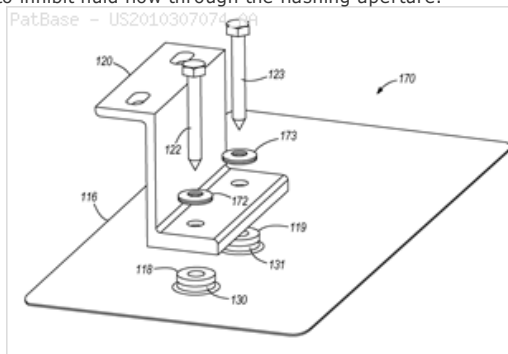
Classifications:

International (IPC 8-9): E04B1/38 E04B1/41 E04B1/66 E04B1/68 E04B1/684 E04B7/00 E04B7/18 E04D1/30 E04D13/00 E04D13/04 E04D13/10 E04D13/14 E04D13/147 E04D13/15 E04D13/155 E04D13/18 E04D3/36 E04D3/38 E04G21/32 E04H1/68 F16B1/00 F16B17/00 F16B43/00 F16B5/02 F24J2/00 F24J2/52 F24S21/00 F24S25/60 F24S25/61 F24S25/634 F24S25/636 G09F7/18 H01Q1/12 H02S20/23 H02S30/00 (Advanced/Invention); E04B1/38 E04D1/34 F16B11/00 F16B5/02 F24J2/46 F24S25/00 H02S20/23 (Advanced/Non-invention)

CPC: E04D3/36 E04D3/38 E04G21/328 G09F7/18 G09F2007/186 H01Q1/1221 E04B1/665 E04D13/14 F16B5/0258 F16B11/006 F16B43/003 H01Q1/1207 E04D13/1476 E04B1/40 E04B2001/405 E04D13/1407 F16B43/001 E04B1/66 E04D13/147 E04D13/04 E04D13/00 F24S2025/6006 F24S2025/601 F24S25/40 F24J2/5245 F24J2002/5294 F24J2/00 F24J2/5258 F24S21/00 F24S25/60 F24S25/63 F24S25/634 H02S20/23 Y02B10/20 Y02E10/47 F24S25/636 F24S2025/021 Y02B10/12 E04D1/30 E04D2001/308 H02S30/00 F24S25/61 E04D13/10 E04D2001/3467

European: E04D13/10 E04D13/14A F16B43/00B F24J2/52A20B G09F7/18 R16B5/02G R24J2/52P24 S09F7/18G2 Y02B10/20 Y02E10/47

US: 1/1 248/237 248/237S 52/173.1 52/173.100P 52/173.3 52/173.300P 52/173.300S 52/24 52/302.6 52/302.600P 52/302.600S 52/409 52/410 52/411 52/413 52/413S 52/58 52/58P 52/60 52/698 52/698P 52/698S 52/704 52/704S 52/705 52/708 52/741.4 52/741.400S 52/745.06 52/745.060S 52/745.21 52/745.210P 52/745.210S 52/97 52/97P 52/158

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: RILLITO RIVER SOLAR LLC

Assignee(s): (std): ALPINE SNOWGUARDS ; RILLITO RIVE SOLAR LLC ; STEARNS BRIAN CECIL ; RILLITO RIVER SOLAR LLC ; VERMONT SLATE AND COPPER SERVICES INC ; LOUNSBURY DOUGLAS TIMOTHY ; VERMONT SLATE AND COPPER SERVICES CO INC ; RILLITO RIVER SOLAR INC

Assignee(s): RILLIOT RIVER SOLAR LLC ; VERMONT SLATE AND COOPER SERVICES INC ; ECOFASTEN SOLAR LLC ; ALPINE SNOW GUARDS

Inventor(s): (std): LOUNSBURY DOUGLAS TIMOTHY ; STEARNS BRIAN CECIL ; BORNEMANN ALEXANDER GRANT ; STEARNS BRIAN C

Agent(s): FINLAYSON AND SINGLEHURST; MICHAEL BEST AND FRIEDRICH LLP; MARK; LAW OFFICE OF MARK WILLIAMS PLLC; KW LAW LLP; COZAD SMITH JULIANNE M

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 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 PA PE PG PH PL PT QA RO RS RU RW 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

16) Family number: 43929101 (IN09995DN2008A)

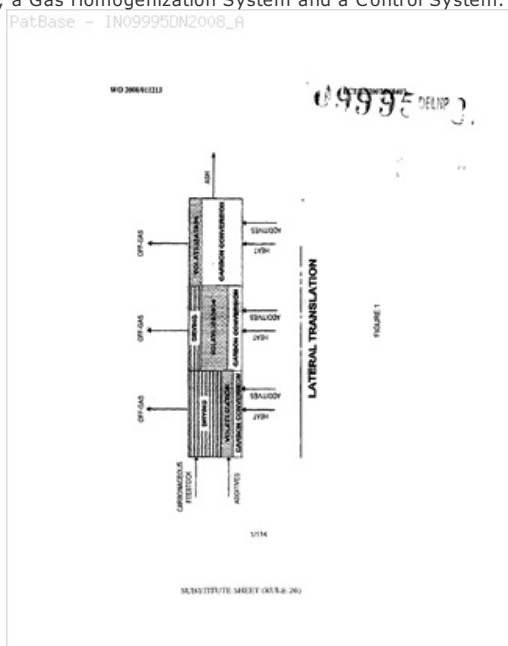
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Title: A LOW TEMPERATURE GASIFICATION FACILITLY WITH A HORIZONTALLY ORIENTED GASIFIER

Abstract: A low-temperature gasification system comprising a horizontally oriented gratifier is provided that optimizes the extraction of gaseous molecules from carbonaceous feedstock while minimizing waste heat. The system comprises a plurality of integrated subsystems that work together to convert municipal solid waste (MSW) into electricity. The subsystems comprised by the low-temperature gasification system are: a Municipal Solid Waste Handling System; a Plastics Handling System; a Horizontally Oriented Gasified with Lateral Transfer Units System; a Gas Reformulating System; a Heat Recycling System; a Gas Conditioning System; a Residue Conditioning System; a Gas Homogenization System and a Control System.

Classifications:

International (IPC 1-7): C10J3/00



Family:

Publication number	Publication date	Application number	Application date
IN09995DN2008 A	20090320	IN2008DN09995	20081201

Priority:

US20060797973 20060505 WO2007US68407 20070507

Probable Assignee: PLASCOENERGY IP HOLDINGS S L BILBAO SCHAFFHAUSEN BRANCH

Assignee(s): PLASCOENERGY IP HOLDINGS S L BILBAO SCHAFFHAUSEN BRANCH

Inventor(s): ZOU XIAOPING ; WAGLER THOMAS EDWARD ; TSANGARIS ANDREAS ; SWAIN MARGARET ; SONI NIPUN ; SHEN ZHIYUAN ; MCLEAN ALISDAIR ALAN ; MARCEAU PASCALE BONNIE ; FEASBY DOUGLAS MICHAEL ; DOBBS GEOFFREY ; CUI MAO PEI ; CHOTALIYA ASHISH ; CAMPBELL KENNETH CRAIG ; BASHAM SCOTT DOUGLAS

17) Family number: 56951115 (WO14111920A1)

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Title: SYSTEM AND METHOD FOR MONITORING OF AN ELECTRO-MECHANICAL DEVICE

Abstract: A method and apparatus for use with a host computer communicating messages with a computer peripheral over a computer bus is disclosed, where the computer peripheral may be in multiple states. The peripheral may be input or output device, or mass storage device such as hard disk drive. The device communicates with the host computer and the computer peripheral using proprietary or industry standard protocol or bus, which may be based on a point-to-point serial communication such as SATA. The peripheral state is determined based on monitoring the messages carried over the bus, and compared with the sensor associated with the peripheral operation. The sensor may be a microphone or a camera, and the system may include voice or image processing. The comparison may suggest a malfunction or a suspected operation according to a pre-defined scheme, and a signal is accordingly produced.

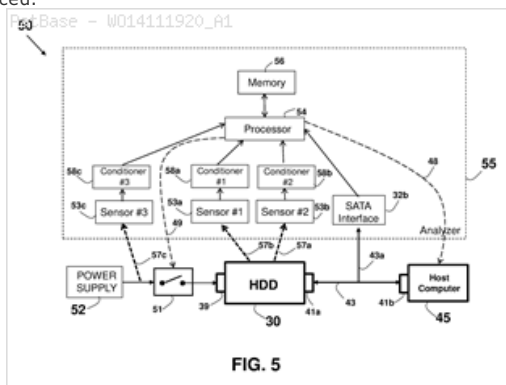
Classifications:

International (IPC 8-9): G06F G06F9/00

G11B19/20 (Advanced/Invention)

CPC: G06F11/20 G06F11/30 G06F21/00 G06F11/00 G06F11/3034

G06F11/3058 G06F11/3089



Family:

Publication number	Publication date	Application number	Application date
IL224265 A0	20130324	IL20130224265	20130117
WO14111920 A1	20140724	WO2014IL50029	20140113

Priority:

IL20130224265 20130117

Probable Assignee: SURE ERASURE LTD

Assignee(s): (std): SURE ERASURE LTD

Assignee(s): YANIV BITTON ; ELI SASON ; HAGGAI YEDIDIA ; ORLY SHDEMA

Inventor(s): (std): SHDEMA ORLY ; YEDIDIA HAGGAI ; BITTON YANIV ; SASON ELI ; BINDER YEHUDA

Inventor(s): ELI SASON ; ORLY SHDEMA ; YANIV BITTON ; HAGGAI YEDIDIA

Agent(s): SHEM TOV DORIT

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 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

18) Family number: 59136117 (US2015123497A)

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Title: VIBRATION ENERGY HARVESTING USING CYCLOIDAL MOTION

Abstract: Some embodiments relate to an energy conversion device, comprising: a casing; an electromagnetic (EM) transducer disposed at one side of the casing; a round magnet disposed in the casing and free to move relative to the casing and the EM transducer in at least two degrees of freedom; and a ferromagnetic object fixed relative to the casing at an opposite side of the casing to the EM transducer and arranged to attract the magnet toward a rest position within the casing. The EM transducer is positioned so that movement of the magnet relative to the EM transducer varies the magnetic field through the EM transducer, thereby generating electrical potential across at least a part of the EM transducer.

Classifications:

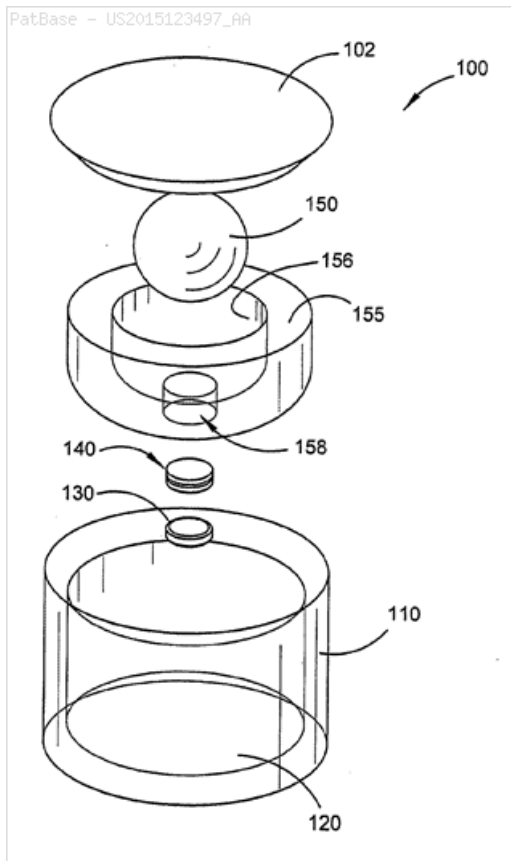
International (IPC 8-9): F03G7/00 F03G7/08 H01L41/113 H01L41/12

H02K1/34 H02K35/02 H02K35/06 H02N11/00

H02N2/18 (Advanced/Invention)

CPC: H02K35/06 H02K35/02 H01L41/113 H01L41/125 H02N2/186

US: 310/12.12

**Family:**

Publication number	Publication date	Application number	Application date
AU2013254931 AA	20150521	AU20130254931	20131107
AU2013254931 BB	20190328	AU20130254931	20131107
US2015123497 AA	20150507	US20140265005	20140429
US9484795 BB	20161101	US20140265005	20140429

Priority:

AU20130254931 20131107

Probable Assignee: COMMW OF AUSTRALIA**Assignee(s):** (std): COMMW OF AUSTRALIA**Inventor(s):** (std): HART GENEVIEVE ; MOSS SCOTT DAVID ; HART GENEVIEVE A ; MOSS SCOTT D**Agent(s):** FB RICE; FB RICE PTY LTD; SEED IP LAW GROUP LLP**19) Family number: 50840122** (SG178638A)

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Title: SWIFTLETS FARMING FOR PRODUCTION OF EDIBLE BIRD'S NESTS

Abstract: Abstract SWIFTLETS FARMING FOR PRODUCTION OF EDIBLE BIRD'S NESTS An edible bird's nests production facility, for use in creating and harvesting edible bird's nests. A plurality of arrangement of swiftlet's nesting substrates configured to maximize efficiency, productivity and high net worth value of the edible nests products created. The facility includes mechanized equipment and apparatus for harvesting swiftlet's edible nests at great heights; carriage of goods and equipment in swiftlets farminghouses; safe and efficient collection of nests. for publication.

Classifications:



SIA YIK HEI

PatBase PDF Export - Page: 17 19/11/2019

US20030523894P	20031120	US20030729509	20031204	US20030532023P	20031222
US20040535395P	20040110	US20040800443	20040314	US20050661972P	20050314
US20050665689P	20050328	US20050669940P	20050409	US20060761183P	20060123
US20060794647P	20060424	US20070005105	20071222	US20080189253P	20080815
US20080190472P	20080828	US20080192802P	20080922	US20090270709P	20090710
US20090274215P	20090813	US20090583240	20090817	US20090653740	20091217
US20100395081P	20100506	US20100396030P	20100519	US20100396420P	20100525
US20100396940P	20100605	US20100397848P	20100616	US20100399110P	20100706
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US20150177232P	20150307	US20150283226P	20150824	US20150284157P	20150921
US20160387977P	20160112	US20160042072	20160211	US20160054066	20160225
US20160425829P	20161123	US20170404649	20170112		

Probable Assignee: SMART DRILLING AND COMPLETION INC

Assignee(s): (std): CHITWOOD JAMES E ; CROSSLAND WILLIAM G ; DEKLE ROBERT L ; SKERL DAMIR S ; VAIL III WILLIAM BANNING ; SMART DRILLING AND COMPLETION INC ; SKERL TOMISLAV

Inventor(s): (std): CROSSLAND WILLIAM G ; SKERL DAMIR S ; DEKLE ROBERT L ; CHITWOOD JAMES E ; VAIL III WILLIAM BANNING ; SKERL TOMISLAV

Agent(s): SHERIDAN ROSS PC

21) Family number: 44145125 (GB2462020A)

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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.

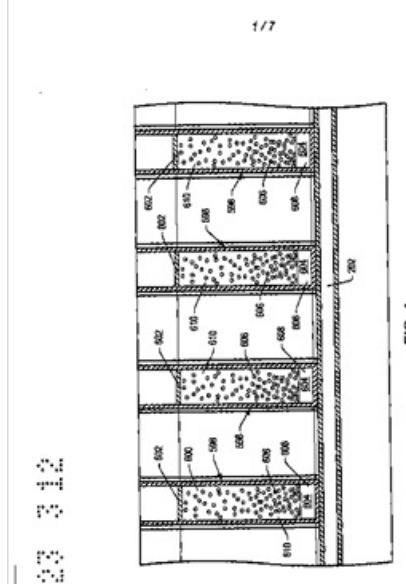
Classifications:

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 ; TSAI KUOCHEN ; VINEGAR HAROLD J ; SELBY BRUCE ; RYAN ROBERT CHARLES ; ZHANG ETUAN ; ABBASI FARAZ ; ANDERSON KARL GREGORY ; BASS RONALD J ; BEERS GARY LEE ; BRIGNAC JOSEPH P JR ; BURNS DAVID ; CLOMBURG LLOYD ANTHONY ; COSTELLO MICHAEL ; DAVIDSON IAN ALEXANDER ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; GILES STEVEN PAUL ; GOODWIN CHARLES R ; HWANG H JAY ; PIERCE ROBERT ; GUIMERANS ROSALVINA ; PIERCE DENNIS ; NGUYEN SCOTT VINH ;

FARMAYAN WALTER ; MACDONALD DUNCAN ; PRINCE WRIGHT ROBERT ; KARANIKAS JOHN MICHAEL ; FONSECA ERNESTO ; KIM DONG SUB ; HARRIS CHRISTOPHER KELVIN ; MANSURE ARTHUR J ; HARVY BERT ; GEDDES CAM ; MUNSHI ABDUL ; MARWEDE JOCHEN ; RENKEMA DUURT ; SHELL OIL COMPANY

Inventor(s): (std): GILES STEVEN PAUL ; GINESTRA JEAN CHARLES ; GOEL NAVAL ; GOODWIN CHARLES R ; GRIFFIN PETER TERRY ; GUIMERANS ROSALVINA ; HALE ARTHUR HERMAN ; HAMILTON PAUL TAYLOR ; HARIHARAN PERINGANDOR 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 ; COWAN KENNETH MICHAEL ; COSTELLO MICHAEL SCOTT ; COSTELLO MICHAEL ; COIT WILLIAM GEORGE ; CLOMBURG LLOYD ANTHONY ; CHRISTENSEN DEL SCOT ; CHERRILLO RALPH ANTHONY ; CARL FREDERICK GORDON ; BURNS DAVID BOOTH ; BURNS DAVID ; BRIGNAC JOSEPH PHILLIP JR ; BRIGNAC JOSEPH P JR ; BRIGNAC JOSEPH P ; BRADY MICHAEL PATRICK ; BOND WILHELMUS MARIA ; BOESTERT JOHANNES LEENDERT WILLEM CORNELIS DEN ; BEERS GARY LEE ; BASS RONALD MARSHALL ; BASS RONALD J ; ANGELO CHARLES D III ; ANDERSON KARL GREGORY ; ABBASI FARAZ ; JOHN RANDY CARL ; FOWLER THOMAS DAVID ; FONSECA ERNESTO ; FARMAYAN WALTER ; FAIRBANKS MICHAEL DAVID ; GEDDES CAM ; DIAZ ZAIDA ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; DEEG WOLFGANG FRIEDRICH JOHANN ; DAVIDSON IAN ALEXANDER ; KARANIKAS JOHN MICHAEL ; KELTNER THOMAS JOSEPH ; 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 ; NELSON RICHARD GENE ; NGUYEN SCOTT VINH ; PAGGIO ALAN ANTHONY DEL ; PIERCE DENNIS ; PIERCE ROBERT ; PINGO ALMADA MONICA M ; PRINCE WRIGHT ROBERT ; RENKEMA DUURT ; NAIR VIJAY ; ROES AUGUSTINUS WILHELMUS MARIA ; RYAN ROBERT CHARLES ; SAMUEL ALLAN JAMES ; SANDBERG CHESTER LEDLIE ; SANTELLA MICHAEL LEONARD ; SCHNEIBEL JOACHIM HUGO ; SCHOEBER WILLEM JAN ANTOON HENRI ; SCHOELING LANNY ; SELBY BRUCE ; SHINGLEDECKER JOHN PAUL ; SIDDOWAY MARK ALAN ; SIKKA VINOD KUMAR ; STANECKI JOHN ; ROUFFIGNAC ERIC PIERRE DE ; RUDOLF RANDY ; STEGEMEIER GEORGE LEO ; STONE JR FRANCIS MARION ; TSAI KUOCHEN ; WATKINS RONNIE WADE ; WONG SAU WAI ; XIE XUEYING ; VINEGAR HAROLD J ; ZHANG ETUAN

Inventor(s): VINOD KUMAR SIKKA ; WALTER FARMAYAN ; XUEYING XIE ; ZAIDA DIAZ ; WEIJIAN MO ; WILHELMUS MARIA BOND ; WILLEM JAN ANTOON HENRI SCHOEBER ; WILLIAM GEORGE COIT ; WOLFGANG FRIEDRICH JOHANN DEEG ; VIJAY NAIR ; THOMAS DAVID FOWLER ; THOMAS JOSEPH KELTNER ; STEPHEN PALMER HIRSHBLOND ; STEVEN PAUL GILES ; RUIJIAN LI ; STANLEY LEROY MASON ; SCOTT VINH NGUYEN ; SAU WAI WONG ; RONALD MARSHALL BASS ; RONNIE WADE WATKINS ; NAVAL GOEL ; RICHARD A HINSON ; RICHARD GENE NELSON ; ROBERT CHARLES RYAN ; ROBERT LENKE ; RALPH ANTHONY CHERRILLO ; RANDY CARL JOHN ; REMCO HUGO MANDEMA ; PAUL TAYLOR HAMILTON ; PERINGANDOR RAMAN HARIHARAN ; PETER TERRY GRIFFIN ; PHILIP JAMES MAZIASZ ; 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 ; KENNETH MICHAEL COWAN ; DAVID BOOTH BURNS ; DEL SCOT CHRISTENSEN ; GENE RICHARD LAMBIRTH ; GEORGE LEO STEGEMEIER ; ETUAN ZHANG ; 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 ; ABDUL WAHID MUNSHI ; ALAN ANTHONY DEL PAGGIO ; ALLAN JAMES SAMUEL ; ARTHUR HERMAN HALE ; AUGUSTINUS WILHELMUS MARIA ROES ; BILLY JOHN MCKINZIE ; CHARLES D ANGELO III ; CHARLES R GOODWIN ; CHESTER LEDLIE SANDBERG ; CHIA FU HSU ; CHRISTOPHER KELVIN HARRIS ; DAVID SCOTT MILLER ; DONG SUB KIM ; ERIC PIERRE DE ROUFFIGNAC ; FREDERICK GORDON CARL

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

22) Family number: 56828131 (WO14102797A1)

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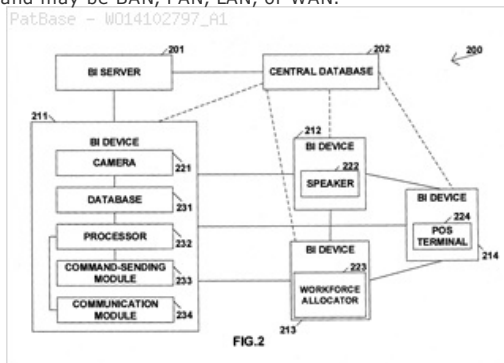
Title: DISTRIBUTED BUSINESS INTELLIGENCE SYSTEM AND METHOD OF OPERATION THEREOF

Abstract: A distributed Business Intelligence (BI) system and method in a store is disclosed. The system includes multiple BI devices interconnected over one or more networks. Each BI device includes a sensor for capturing data, and a BI insight is generated based on analysis of the captured data, such as counting people in a queue at the Point-of-Sale (PoS). The BI insight triggers a BI command sent to a BI device having an actuator, for generating an action in response to the BI command. The sensor may be a microphone or a video camera, and the system may include voice or image processing (such as video analytics) for generating the BI insight. A redundancy may be used by using multiple sensors or actuators, or by using multiple data paths. The network may be wired or wireless, and may be BAN, PAN, LAN, or WAN.

Classifications:

International (IPC 8-9): G06Q10/06 G08B13/196 (Advanced/Invention)

CPC: G07C2011/04 G07C11/00



Family:

Publication number	Publication date	Application number	Application date
WO14102797 A1	20140703	WO20131L51080	20131230

Priority:

US20120747314P 20121230

Probable Assignee: WISEYE VIDEO SYSTEM LTD

Assignee(s): (std): WISEYE VIDEO SYSTEM LTD

Inventor(s): (std): NAKDIMON SHALOM

Agent(s): SHEM TOV DORIT

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 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

23) Family number: 68167135 (WO19092408A1) © PatBase

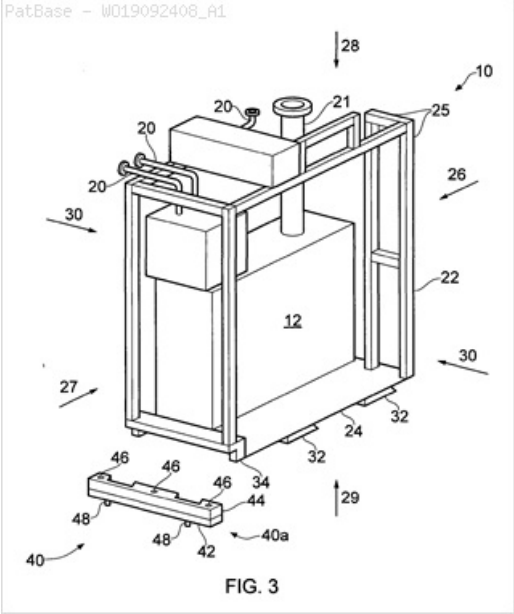
Title: VACUUM PUMPING AND/OR ABATEMENT SYSTEM

Abstract: A vacuum pumping and/or abatement system dock (40, 60), the dock (40, 60) comprising: a first support member (42, 62) for coupling to a surface; and a second support member (44, 64) for receiving a vacuum pumping and/or abatement system module (10), wherein the second support member (44, 64) is coupled to the first support member (42, 62) by one or more first coupling members (46, 66), wherein the one or more first coupling members (46, 66) separate the first and second support members (42, 44, 62, 64) by a separation distance, and wherein the one or more first coupling members (46, 66) are adjustable to alter the separation distance between the first support member (42, 62) and the second support member (44, 64).

Classifications:

International (IPC 8-9): B01D53/74 C23C14/00 C23C16/44 F04B37/14 F04B39/00 F04B39/12 F04B39/14 F04B41/00 F04C23/00 F04C25/02 F04C29/00 F04D25/16 F04D27/00 F16B5/02 F16L23/00 F16L23/06 F16L25/12 F16L25/14 F16L27/00 F16L27/08 F16L51/04 F16M1/00 (Advanced/Invention)

CPC: C23C16/4412 F04C29/00 F04D25/16 F16L23/00 F16L25/12 F16L27/08 C23C16/44 F04B37/14 F04B39/121 F04B39/123 F04B39/14 F04B41/00 F04C23/001 F04C25/02 F04C2240/30 F04C2240/70 F16B5/0233 F16L23/06 F16L51/04



Family:

Publication number	Publication date	Application number	Application date
GB201718752 A0	20171227	GB20170018752	20171113
GB201721640 A0	20180207	GB20170021640	20171221
GB201804937 A0	20180509	GB20180004937	20180327
GB201808944 A0	20180718	GB20180008944	20180531
GB201808946 A0	20180718	GB20180008946	20180531
GB201814576 A0	20181024	GB20180014576	20180907
GB2568329 A1	20190515	GB20180004937	20180327
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GB2568555 A1	20190522	GB20170021640	20171221
TW201923228 A	20190616	TW20180140192	20181113
TW201923232 A	20190616	TW20180140188	20181113
TW201923274 A	20190616	TW20180140191	20181113
TW201928197 A	20190716	TW20180140189	20181113
TW201934874 A	20190901	TW20180140190	20181113
WO19092408 A1	20190516	WO2018GB53210	20181105
WO19092409 A1	20190516	WO2018GB53211	20181105
WO19092427 A1	20190516	WO2018GB53241	20181108
WO19092428 A1	20190516	WO2018GB53242	20181108
WO19092429 A1	20190516	WO2018GB53243	20181109
WO19092430 A1	20190516	WO2018GB53244	20181109

Priority:

GB20170018752 20171113 GB20170021640 20171221 GB20180004937 20180327
GB20180008946 20180531 GB20180008944 20180531 GB20180014576 20180907

Probable Assignee: EDWARDS LTD

Assignee(s): (std): EDWARDS LTD

Inventor(s): (std): STUART MARTIN PUTTOCK ; JAMES BADEN IRESON ; ANTHONY MARCUS MURFITT ; HAMMOND DEO ; HELEN SHAW ; CHRISTOPHER BAILEY ; CRAIG LEONARD SANDS ; IRESON JAMES BADEN ; SHAW HELEN ; MURFITT ANTHONY MARCUS ; PUTTICK STUART MARTIN ; DEO HAMMOND ; SANDS CRAIG LEONARD ; BAILEY CHRISTOPHER MARK

Agent(s): RAWLINS KATE

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 JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG

24) Family number: 64180136 (US2017002883A)

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Title: SMART BRAKING DEVICES, SYSTEMS, AND METHODS

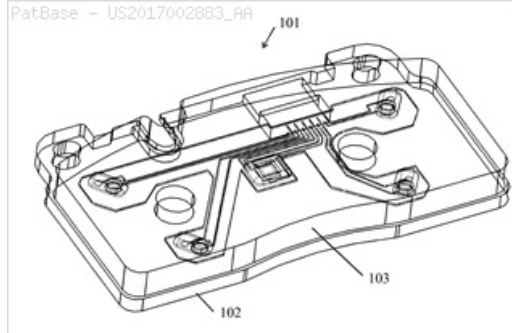
Abstract: Various braking devices, systems, and methods are disclosed. In some embodiments, the braking device includes a support element, a block of friction material supported by the support element, at least one piezoceramic sensor supported by the support element and interposed between the block of friction material (and the support element, and a protective element located at the piezoceramic sensor and embedding the latter. The protective element can have one or more layers of resin-based material applied to protect the piezoceramic sensor and direct a predetermined part of the external compression force onto an area of the support element surrounding the piezoceramic sensor. In some embodiments, a signal transduction device is provided and includes at least one piezoceramic sensor supported on a support element and has an integral protective coating having properties of mechanical and temperature resistance.

Classifications:

International (IPC 8-9): B60T8/171 F16D65/08 F16D65/092
F16D65/20 F16D66/00 F16D66/02 F16D69/00 G01L1/10 G01L1/16
G01L1/18 G01L23/22 G01L5/28 G01L9/00 H01L41/053 H01L41/113
H05K3/12 (Advanced/Invention);
G01L23/22 (Advanced/Non-invention)

CPC: G01L9/0052 G01L23/222 F16D2066/001 F16D65/08
F16D65/092 F16D66/00 F16D2066/005 F16D2069/006 G01L1/16
F16D66/021 F16D2066/006 G01L5/28

US: 1/1 188/1.11E 73/862.625

**Family:**

Publication number	Publication date	Application number	Application date
BR112017025534 A2	20180807	BR20171125534	20160527
CN107850149 A	20180327	CN201680044428	20160527
CN107850149 B	20191011	CN201680044428	20160527
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MX2017015072 A1	20180620	MX20170015072	20160527
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MX2017015164 A1	20180706	MX20170015164	20160527
US2017002883 AA	20170105	US20160167883	20160527
US2017082165 AA	20170323	US20160279224	20160928
US2017082166 AA	20170323	US20160279255	20160928
US2017082167 AA	20170323	US20160279200	20160928
US2018231084 AA	20180816	US20180947008	20180406
US2019003541 AA	20190103	US20180020680	20180627
US2019249736 AA	20190815	US20190273530	20190212
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WO16189122 A1	20161201	WO2016EP61983	20160527
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WO16189150 A1	20161201	WO2016EP62045	20160527

Priority:

IT201510000018701	20150528	IT201510000018714	20150528	IT2015UB01029	20150528
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US20180020680	20180627	US20190273530	20190212		

Probable Assignee: ITT ITALIA SRL**Assignee(s):** (std): ITT ITALIA S R L ; ITT ITALIA SRL

Inventor(s): (std): MARTINOTTO LUCA ; GALIMBERTI PAOLO ; MERLO FABRIZIO ; SERRA STEFANO ; SIN XICOLA AUGUSTI ; DONZELLI DANIELE ; SOLARI MATTIA ; TERRANOVA MARCO ; XICOLA AUGUSTI SIN ; DANIELE DONZELLI ; LUCA MARTINOTTO ; MARCO TERRANOVA ; MATTIA SOLARI ; STEFANO SERRA ; FABRIZIO MERLO ; PAOLO GALIMBERTI ; AUGUSTI SIN XICOLA

Agent(s): RAPISARDI MARIACRISTINA; IMY INT PATENT OFFICE PC; KNOBBE MARTENS OLSON AND BEAR LLP

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

(25) Family number: 42439137 (WO08131168A1)

© PatBase

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.

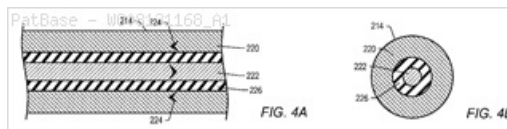
Classifications:**International (IPC 8-9):** E21B36/00 E21B36/02 E21B36/04

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
BRPI0810053 A2	20170808	BR2008PI10053	20080418
CA2684430 AA	20081030	CA20082684430	20080418
CA2684430 C	20151208	CA20082684430	20080418
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
WO08131212 A3	20100114	WO2008US60811	20080418

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

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 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: SYSTEM ARCHITECTURES AND METHODS FOR RADIOBEACON DATA SHARING

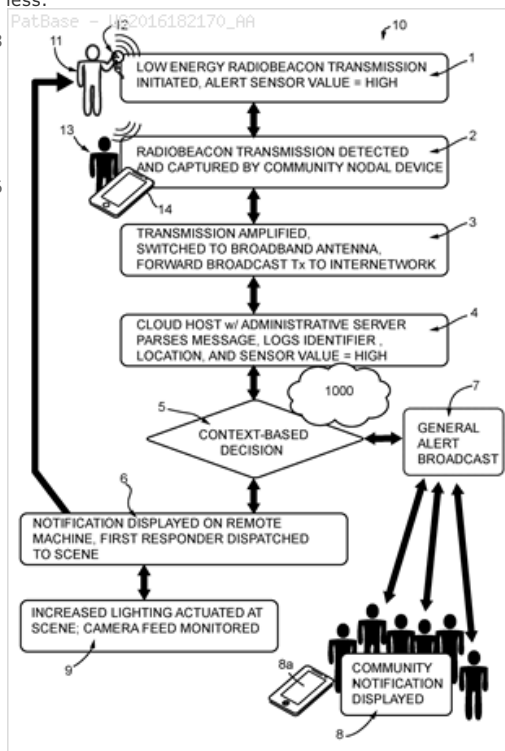
Abstract: Remote actuation of machines or machine systems is realized by a system for coupling a radiobeacon to a smart device and in turn to a broader network. The smart device is configured as a proximity-actuated "community nodal device" by an application that operates as part of the system. The community nodal device is given instructions to function as a "soft switch": to automatically "upswitch", amplify, and broadcast low energy, local area radiobeacon "messages" to a cloud-based server, where the message is interpreted according to rules or policies established by an operator, and a command is transmitted for execution to a remote device. Conventional smart devices generally discard data not addressed to the owner of the smart device. Instead of discarding third party messages, the system preempts their handling, and using a soft switch formed from background resources, anonymously, without access to the message by a user interface of the proxy device, and without waiting for a network query from the host, engineers an "upswitched transmission" of radiobeacon-generated data to a cloud host. Advantageously, confidential sharing of ad hoc community resources results in a negligible load on background resources of the community nodal device. Messages may include a sensor data payload. Bit overloading enables a sensor data payload to be compressed into a few hundred bytes or less.

Classifications:

International (IPC 8-9): G08B21/24 H04B7/00 H04H20/59 H04L29/08 H04W12/02 H04W4/00 H04W4/02 H04W4/021 H04W4/06 H04W4/08 H04W4/12 H04W4/18 H04W4/22 H04W4/33 H04W4/38 H04W4/60 H04W4/70 H04W4/80 H04W4/90 H04W40/22 H04W40/24 (Advanced/Invention); H04W4/90 H04W84/18 (Advanced/Non-invention)

CPC: H04W4/12 H04W4/22 H04W4/005 Y02B60/50 H04W4/60 G08B21/24 H04W4/33 H04W4/021 H04W4/38 H04L67/02 H04L67/306 H04W84/18 G08B25/10 H04W40/244 H04W4/185 H04L67/12 H04W4/06 H04W4/08 Y02B70/30 H04W4/029 H04W12/0013 H04W12/08 G08B13/08 G08B13/1427 G08B21/0247 G08B21/0269 G08B25/016 G08B25/08 H04W4/80 H04W4/90 H04W12/02 H04H20/59 H04L67/10 H04W4/02 H04W4/70 H04W40/22 Y02D70/00 Y02D70/142 Y02D70/144 Y02D70/162 Y02D70/164 Y02D70/166 Y02D70/22 Y02D70/26 Y02D70/39

US: 1/1 340/539.11 455/3.01 455/41.1 455/41.2

**Family:**

Publication number	Publication date	Application number	Application date
US2016182170 AA	20160623	US20150967339	20151213
US2016277879 AA	20160922	US20160072699	20160317
US2016294493 AB	20161006	US20150967339	20151213
US2017373775 AA	20171228	US20170681806	20170821
US2018131455 AA	20180510	US20180863731	20180105
US2018206177 AA	20180719	US20180924248	20180318
US2018241488 AA	20180823	US20180959249	20180422
US2018241489 AA	20180823	US20180959250	20180422
US2018262894 AA	20180913	US20180978156	20180513
US2018359039 AA	20181213	US20180048316	20180729
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US9900119 BB	20180220	US20170681806	20170821
US9961523 BA	20180501	US20160180080	20160612
US10063331 BB	20180828	US20180863731	20180105
US10361800 BB	20190723	US20180959249	20180422
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Priority:

US20140301236	20140610	US20150136285P	20150320	US20150175141P	20150612
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US20180048316	20180729				

Probable Assignee: PB INC

Assignee(s): (std): PB INC

Inventor(s): (std): ROWE GABRIEL I ; PEARSON FRANKS NICHOLAS R ; DAOURA DANIEL J ; PEARSON FRANKS NICK L

Agent(s): KAL K; LAMBERT PATENT SERVICES LLC; LAMBERT PATENT SVS LLC; LAMBERT K KAREL; LAMBERT KAL K

Title: Vibration isolation system

Abstract: An improved vibration isolation system utilizes at least one pair of structures connected vertically in series with each other and with a base structure and preloaded vertically, with a payload platform disposed between and connected to the structures. Each structure has a negative-stiffness effect in response to vertical compressive load for reducing its horizontal stiffness. The system passively accommodates changes in payload weight or weight distribution by providing a prescribed change in horizontal-motion isolator stiffness with change in weight load. The invention also provides an improved means of retrofitting existing vibration-isolating suspension systems to reduce their stiffness and increase their damping.

Classifications:

International (ipc 8-9): F16F1/06 F16F1/18 F16F1/32 F16F15/02 F16F15/04 F16F15/06 F16F15/073 F16F3/02 F16M13/00 G12B3/08 (Advanced/Invention);

F16F15/00 (Advanced/Non-invention);

F16F1/02 F16F1/04 F16F15/02 F16F15/04 F16F15/06 F16F3/00

F16M13/00 G12B3/00 (Core/Invention);

F16F15/00 (Core/Non-invention)

International (ipc 1-7): F16F1/06 F16F1/18 F16F1/32 F16F15/00

F16F15/04 F16F15/06 F16F15/073 F16F3/02 F16M13/00 F18M13/00

G12B3/08

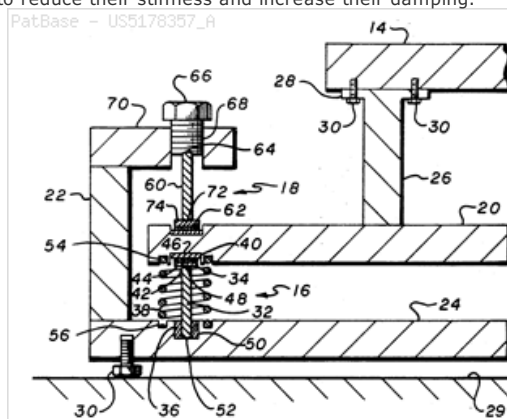
CPC: F16F2230/34 F16F15/06 F16F15/02 F16F15/04 F16F3/026

F16F15/073 F16F2228/063

European: F16F15/02 F16F15/04 F16F15/06 F16F15/073 F16F3/02N

R16F228/06N R16F230/34

US: 248/619 248/638



Family:

Publication number	Publication date	Application number	Application date
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AT199177 E	20010215	AT19930903423T	19931203
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CA2064902 AA	19920214	CA19902064902	19900815
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US5370352 A	19941206	US19930092289	19930716
US5390892 A	19950221	US19930002633	19930111
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US5669594 A	19970923	US19950434979	19950503
US5833204 A	19981110	US19970819146	19970317
WO9102921 A1	19910307	WO1990US04608	19900815
WO9221912 A1	19921210	WO1992US04759	19920529
WO9413999 A1	19940623	WO1993US11735	19931203
WO9520113 A1	19950727	WO1995US00907	19950123

Priority:

US19890395093	19890816	JP20000111206	19900815	WO1990US04608	19900815
US19910681808	19910408	US19910708995	19910531	US19920941758	19920904
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WO1995US00907	19950123	US19950390809	19950215	US19950434979	19950503
US19970819146	19970317				

Probable Assignee: MINUS K TECHNOLOGY INC
Assignee(s): (std): MINUS K TECH INC ; MINUS K TECHNOLOGY INC ; PLATUS DAVID L
Assignee(s): PLATUS DAVID L SANTA MONICA CALIF US ; CUNNINGHAM PATRICK J ; DURRAN DONALD A
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Agent(s): MITCHELL RICHARD J; OGILVY RENAULT LLP SENCRL SRL; NAGAI HIROSHI
Designated states: AT BE CA CH DE DK ES FR GB GR IE IT JP KR LI LU MC NL PT SE

28) Family number: 42459182 (US2008272580A)

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Title: ASPIRATED INFLATORS

Abstract: Airbag inflator system includes an inflatable airbag, a flexible housing, and a gas generating system for generating gas which is directed from the housing to the interior of the airbag. The housing may be made by an extrusion process to provide it with its flexible form and a curved or arcuate form if necessary or desired. The housing may be elongate and/or mounted to a roof rail and/or made of plastic. An aspirating structure or nozzle may be arranged between the gas generating system and an interior of the airbag, which nozzle is varied as a function of temperature. The aspirating structure or arrangement enables air from the passenger compartment of the vehicle to mix with the generated gas prior to being directed into the airbag.

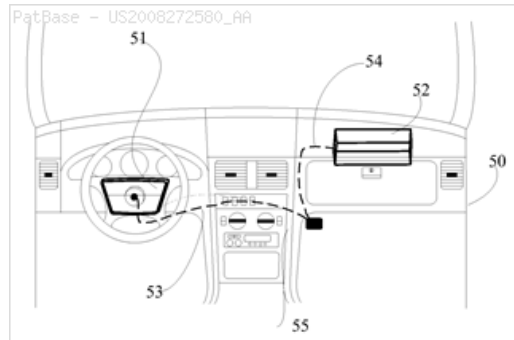
Classifications:

International (IPC 8-9): B60R21/213 B60R21/232 B60R21/26 B60R21/30 (Advanced/Invention)

CPC: B60R21/0132 B60R21/2032 B60R21/206 B60R21/214 B60R21/232 B60R21/233 B60R21/235 B60R21/239 B60R21/26 B60R21/264 B60R21/30 B60R2021/0004 B60R2021/0006 B60R2021/23107 B60R2021/23153 B60R2021/23169 B60R2021/23192 B60R2021/23308 B60R2021/23316 B60R2021/23324 B60R2021/23504 B60R2021/23514 B60R2021/23519 B60R2021/23523 B60R2021/2612 B60R2021/2636 B60R21/16 B60R21/213

European: B60R21/0132 B60R21/206 B60R21/214 B60R21/232 B60R21/235 B60R21/26 B60R21/264 B60R21/30 L60R21/00A1 L60R21/00A2 L60R21/203F L60R21/206 L60R21/231C L60R21/231M L60R21/231P L60R21/231W L60R21/232 L60R21/233 L60R21/233A L60R21/233F L60R21/233H L60R21/235M L60R21/235M1C L60R21/235M3 L60R21/235M5 L60R21/239 L60R21/261J L60R21/263L3

US: 280/730.2 280/735 280/735P 280/736 280/738 280/740 280/741 280/741S 280/743.1 280/743.100S



Family:

Publication number	Publication date	Application number	Application date
US2008272580 AA	20081106	US20070930302	20071031
US7762580 BB	20100727	US20070930302	20071031

Priority:

US19950571247 19951212	US19980073403 19980506	US20010767020 20010123
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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT

Assignee(s): AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC

Inventor(s): (std): BREED DAVID S

Agent(s): BRIAN ROFFE ESQ; BRIAN

29) Family number: 43649191 (US2009217930A)

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Title: HYPERBARIC EXERCISE FACILITY, HYPERBARIC DOME, CATASTROPHE OR CIVIL DEFENSE SHELTER

Abstract: A hyperbaric exercise facility is provided allowing a persons to perform exercises and other activities at increased pressures along with controlled levels of oxygen. Additionally, a catastrophe shelter is provided to protect its occupants from peril.

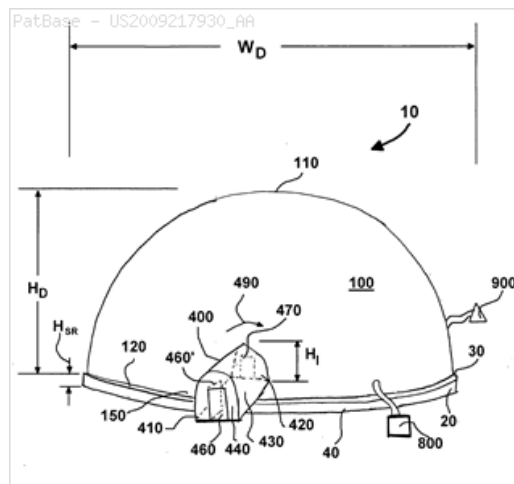
Classifications:

International (IPC 8-9): A61G10/00 A61G10/02 A62B31/00 E04B1/16 E04B1/32 E04B1/342 E04B7/08 E04H15/20 E04H15/22 E04H3/14 (Advanced/Invention); A61G10/00 E04B1/32 E04H15/20 (Core/Invention)

CPC: E04B1/3205 A61G10/026 A61G2200/10 E04B2001/0053 E04B1/166 E04B1/3211 E04H3/14

European: E04B1/16E E04B1/32B E04B1/32C E04H3/14

US: 128/200.12 128/200.24 128/205.26 128/205.260P 482/148 482/51 482/55 52/80.1 52/80.100S



Family:

Publication number	Publication date	Application number	Application date
US2009217930 AA	20090903	US20080276990	20081124
US2013111826 AA	20130509	US20120663566	20121030
US2014345619 AA	20141127	US20140294227	20140603
US8297282 BB	20121030	US20080276990	20081124
US8739792 BB	20140603	US20120663566	20121030
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Priority:

US20070989889P 20071123 US20080276990 20081124 US20120663566 20121030
US20140294227 20140603

Probable Assignee: HOLLEY MERRELL T

Assignee(s): (std): HOLLEY MERRELL T ; SCHMIDT JAMES L

Inventor(s): (std): SCHMIDT JAMES L ; HOLLEY MERRELL T

Agent(s): GARVEY SMITH NEHRBASS AND NORTH LLC; BRETT A; NORTH BRETT A 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

30) Family number: 43593201 (US2011124945A)

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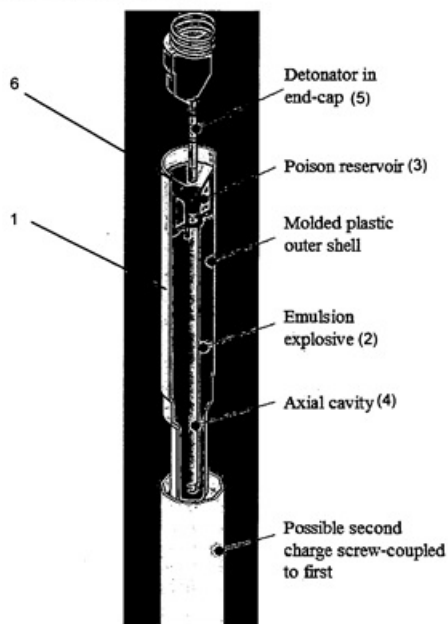
Title: DEACTIVATING AN EXPLOSIVE COMPOSITION USING A CHEMICAL

Abstract: A method of deactivating an explosive composition provided in an explosive cartridge, which method comprises exposing the explosive composition to a deactivating agent that renders the explosive composition insensitive to detonation, wherein the deactivating agent is a chemical.

Classifications:

International (IPC 8-9): A62D A62D3/02 A62D3/30 A62D3/34 A62D3/35 A62D3/37 A62D3/38 C06B21/00 C06C5/00 C06C7/00 F24B F42B F42B3/00 F42B3/08 F42B3/192 F42B30/00 F42B33/06 F42B39/14 F42C15/44 F42D F42D3/06 F42D5/00 F42D5/04 G01V1/104 (Advanced/Invention); A62D101/06 F42B3/08 F42B39/14 F42D3/06 (Advanced/Non-invention); A62D3/00 F42B3/00 F42B33/00 F42B39/00 F42D3/00 F42D5/00 (Core/Invention); A62D F42B F42D (Subclass/Invention)
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CPC: C06B21/0092 A62D3/02 A62D3/35 A62D3/37 A62D3/38 A62D2101/06 C06B21/0091 F42B33/06 F42B3/192 F42C15/44 F42D5/04
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US: 102/301 102/313 102/314 102/331 102/332 102/332S 181/116 299/13 588/313 588/313S 588/317 588/317P 86/20.15 86/50

PatBase - US2011124945_AA



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Publication number	Publication date	Application number	Application date
AR070772 AA	20100505	AR2009P100337	20090202
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WO2009AU00101 20090130 AU20130202120 20130328

Probable Assignee: ORICA EXPLOSIVES TECHNOLOGY PTY LTD

Assignee(s): (std): GOODRIDGE RICHARD JOHN ; SMYLIE THOMAS ; ORICA EXPLOSIVES TECH PTY LTD ; KOTSONIS STEVEN ; TUNALEY DEANE ; YU LONG ; COMMW SCIENT IND RES ORG ; XIAOQING ZANG ; WU DONG YANG ; ARMSTRONG LES ; BEIKOFF BRAD ; BILYK ALEXANDER ; COMMW SCIENT AND INDUSTRIAL RES ORGANISATION ; COMMW SCIENT AND INDUSTRIAL RESEARCH ORGANISATION

Assignee(s): ORICA EXPLOSIVES TECHNOLOGY PTY LTD ; COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION ; COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION ; COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION ; ZANG XIAOQING

Inventor(s): (std): GOODRIDGE RICHARD ; TUNLEY DEANE ; ZANG XIAOQING ; THOMAS SMYLIE ; STEVEN KOTSONIS ; LONG YU ; DONG YANG WU ; BRAD BEIKOFF ; ALEXANDER BILYK ; LES ARMSTRONG ; DEANE TUNALEY ; RICHARD JOHN GOODRIDGE ; KPTSONIS STEVEN ; BEIKOFF BRAND ; ZHANG XIAOQING ; ZHANG XIAOQING ; WU DONG YANG ; GOODRIDGE RICHARD JOHN ; BILYK ALEXANDRIA ; WU DONG YANG ; XIAOQING ZANG ; BILYK ALEXANDER ; YU LONG ; BEIKOFF BRAD ; TUNALEY DEANE ; KOTSONIS STEVEN ; ARMSTRONG LES ; SMYLIE THOMAS ; GOODRIDGE RICHARD JOHN ; RICHARD JHON GOODRIDGE

Inventor(s): ZHANG ; XIAOQING ; WU DONG YANG SMYLIE THOMAS GOODRIDGE RICHARD TUNALEY DEANE KOTSONIS STEVEN ARMSTRONG LES BEIKOFF BRAD BILYK ALEXANDER ZANG XIAOQING YU LONG ; BEIKOFF ; LES ; SMYLIE ; RICHARD ; KPTSONIS ; BRAND ; TUNALEY ; STEVEN ; ARMSTRONG ; THOMAS ; DEANE ; GOODRIDGE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; GOWLING WLG CANADA LLP; SARGENT; SETNA ROHAN P; KLING SIMONE; MARBURY LAW GROUP PLLC; BANNER AND WITCOFF LTD; CURWEN JULIAN CHARLES BARTON

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 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 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

31) Family number: 44432240 (US2010044102A)

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Title: METHODS AND APPARATUS FOR REMOVAL AND CONTROL OF MATERIAL IN LASER DRILLING OF A BOREHOLE

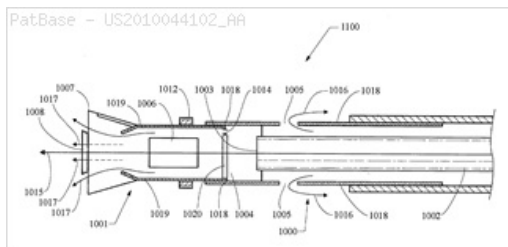
Abstract: There is provided a system, apparatus and methods for removal of material for the path of a laser beam during laser drilling of a borehole and for removal of displaced borehole material from the borehole during laser drilling. In particular, there are provided paths, dynamics and parameters of fluid flows, and apparatus for obtaining such, for use in conjunction with a laser bottom hole assembly.

Classifications:

International (IPC 8-9): A61K48/00 B01J19/12 B08B7/00 B08B9/02 B08B9/023 B08B9/027 B08B9/043 B08B9/055 B23K26/00 B23K26/04 B23K26/046 B23K26/06 B23K26/064 B23K26/073 B23K26/08 B23K26/10 B23K26/12 B23K26/122 B23K26/14 B23K26/146 B23K26/16 B23K26/24 B23K26/352 B23K26/36 B23K26/38 B23K26/382 B23K26/40 B23K26/402 B23K26/70 B23K37/02 B23P11/00 B63B17/00 B63B35/28 B63C11/40 B63C11/44 B63C11/48 B63G8/00 B63G8/08 B65H55/00 B65H59/00 E01C23/08 E01C23/12 E02B17/00 E02D17/00 E21B10/00 E21B10/50 E21B10/54 E21B10/60 E21B17/00 E21B17/20 E21B19/00 E21B19/22 E21B21/00 E21B21/08 E21B21/10 E21B21/14 E21B21/16 E21B23/00 E21B23/14 E21B29/00 E21B29/02 E21B29/06 E21B29/08 E21B29/12 E21B33/00 E21B33/038 E21B33/06 E21B33/064 E21B33/12 E21B33/13 E21B34/04 E21B36/04 E21B37/00 E21B37/08 E21B4/02 E21B4/04 E21B41/00 E21B41/04 E21B43/00 E21B43/11 E21B43/114 E21B43/116 E21B43/119 E21B43/24 E21B43/26 E21B43/267 E21B44/00 E21B47/00 E21B47/113 E21B47/12 E21B49/00 E21B7/00 E21B7/12 E21B7/14 E21B7/15 E21B7/16 E21C25/64 E21C27/24 E21C35/00 E21C37/16 E21C37/18 E21C41/00 E21D9/10 F16L23/00 F21V15/01 F21V15/06 F21V29/00 F21V8/00 G01J1/04 G01M11/00 G01M5/00 G02B6/08 G02B27/14 G02B27/20 G02B6/02 G02B6/14 G02B6/26 G02B6/28 G02B6/32 G02B6/36 G02B6/38 G02B6/42 G02B6/44 H01J27/24 H01J40/14 H01L21/00 H01L31/00 H01L31/02 H01L31/0224 H01L31/0304 H01L31/05 H01L31/054 H01L31/055 H01S3/00 H01S3/04 H01S3/067 H01S3/08 H01S3/094 H01S3/0941 H01S3/109 H01S3/16 H01S3/23 H01S3/30 H01S5/00 H01S5/022 H01S5/024 H01S5/042 H01S5/40 H02G1/08 H04B10/079 H04B10/80 H05K7/20 (Advanced/Invention); B08B7/00 B23K101/04 B23K103/00 B23K103/10 B60P1/54 B63B19/00 B63B21/00 B63B35/00 B66C23/36 E02B17/00 E21B15/00 E21B23/00 E21B37/00 E21B43/00 E21B43/11 E21B43/116 E21B43/16 E21B49/00 E21B7/04 E21B7/15 G02B23/24 G02B6/32 G02B6/36 G02B6/38 G02B6/42 G02B6/44 G02B6/50 G21C17/017 H01S3/00 H01S3/094 H01S3/16 (Advanced/Non-invention); B65H55/00 E21B17/00 E21B7/00 E21B7/14 G02B6/44 (Core/Invention)

International (IPC 1-7): E21B29/08

CPC: E21B4/18 E21B17/203 E21B21/12 E21B21/16 H01L31/03046 Y02E10/544 H04B10/807 H01L2924/01015 H01L2924/01047 H01L2924/00014 G02B6/4413 E02B2017/0095 B23K26/24 B23K26/36 G02B6/4402 E21B4/02 E21C25/00 E21D9/08 E01C23/12 E21B44/00 E21B33/076 F17D5/00 B08B9/04 B08B9/0436 B08B7/0071 B08B9/023 B08B9/027



B23K26/0648 B23K26/10 E21B4/04 E21B2023/008 H01L31/0201 H01L31/022433 H01L31/0508 H01L31/054 E02B2017/0052 B08B9/02 B08B9/055 G02B6/502 B23K26/142 B63G2008/007 B63G8/001 E21B41/04 B23K26/1462 E01C23/127 G01M5/0025 G01M5/0033 G01M5/0091 G01M11/35 Y02E10/52 G02B6/4415 G02B6/443 G02B6/4436 G02B6/4492 E21B33/064 B23K26/14 E02D17/00 B23K26/0732 B23K26/0736 H01S3/04 G02B6/44 E21B17/00 G02B6/02395 B23K26/04 E21B43/119 E21B43/26 H01S3/0071 B60P1/5423 B66C23/36 G02B26/0875 E21B33/1204 H01L2924/00011 B23K26/402 E21B43/162 E21B49/00 H01S3/06733 H01S3/0941 G02B6/2817 G02B6/3871 G02B6/3897 H01S3/08 G02B6/3604 G02B6/4458 E21B21/00 E21B21/08 E21B21/103 E02B17/027 B23K26/03 B23K26/0622 B23K26/1476 B23K37/02 G02B6/14 E21B41/00 E21B33/13 B23K2103/30 B23K26/12 B63B17/00 B63B19/00 B63B21/00 B63B35/00 B63B35/28 E21B19/002 B23K2101/04 B23K2101/06 B23K2103/04 G02B6/0229 B82Y20/00 F16L41/004 F16L55/46 H01S3/02 G02B6/32 G02B23/2492 H01S3/005 H01S3/094003 H01S3/1608 B08B7/0042 B08B9/043 B23K26/064 B23K26/0652 B23K26/106 B23K26/1224 B23K26/127 B23K26/146 B23K26/1464 B23K2103/10 E21B10/60 E21B36/04 E21B37/08 E21B43/00 E21B43/01 G21C17/017 E21B36/00 B23K26/073 B23K26/384 B23K26/386 E21B33/038 E21B7/12 E21B19/004 E21B29/12 E21B33/06 F16L23/003 G02B6/3813 G02B6/3814 G02B6/3818 G02B6/262 G02B2006/4297 H01S3/0064 H01S3/042 G02B6/3624 G02B6/4296 G02B6/4417 G02B6/4427 B23K26/0096 B23K26/046 B23K26/0608 B23K26/0869 B23K26/703 E21B37/00 H01S5/0071 H01S5/02296 H01S5/02423 H01S5/042 H01S5/4025 B23K26/0093 B23K26/0604 B23K26/0626 B23K26/0676 B23K37/0288 B23K37/0294 B23K26/40 B23K2103/50 B23K2103/52 E01C23/08 E21C25/64 E21C27/24 E21C37/18 E21D9/1073 E21B33/063 E21B29/00 B23K26/06 B23K26/38 B23K26/382 E21B7/14 H01S3/0675 H01S3/094007 H01S3/094015 H01S3/094042 H01S3/094046 H01S3/094092 H01S3/094096 H01S3/09415 H01S3/1616 H01S3/1693 H01S3/1695 H01S3/2383 H01S3/302 E21B7/15 E21B29/02 E21B29/06 E21B43/11 E21B43/2405 H01S3/06708 H01S3/109 H01S3/1603
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Family:

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AU2009340454 AA	20100826	AU20090340454	20090819
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Probable Assignee: FORO ENERGY INC

Assignee(s): (std): ELY JOHN ; FAIRCLOTH BRIAN O ; FAIRCLOTH BRIAN O ; FORO ENERGY INC ; GRUBB DARYL L ; GRAY WILLIAM C ; JONES ALBERTUS REBECCA ; FRAZE JASON D ; FORD ENERGY INC ; FAIRDOTH BRIAN O ; HAVLINEK KENNETH L ; FORO EHNERDZHI INK ; KELLERMANN FRED C ; FORO ENERGY ; FORO ENERGY INC STAR ; RINZLER CHARLES C ; ZEDIKER MARK S ; MOXLEY JOEL F ; LAND MARK S ; KOBlick YESHAYA ; UNDERWOOD LANCE D ; SCHROIT SAM N ; MCKAY RYAN P ; KOLACHALAM SHARATH K ; MAKKI SIAMAK ; LINYAEV EUGENE J ; MARSHALL SCOTT A ; NORTON RYAN J ; MESNARD DAVID R ; KOLACHALAM SHARATH ; VOLKMAR JOHN F ; YEARWOOD JOHN ; ZIMMERMAN TOM ; LINYAEV EUGENE J ; KOLACHALAM SHARATH K ; NEHLSSEN JAMES P ; WOLFE DANIEL L ; CLARK PHILIP V ; DE WITT RONALD A ; DEWITT RON A ; DEWITT RONALD A ; DEUTCH PAUL D ; ALLEN ERIK C ; BAILEY ANDYLE G ; CHEVRON USA INC ; BERGERON HENRY A

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Inventor(s): DEUTSCH PAUL D ; MARK SZEDIKER ; JOEL FMOXLEY ; CHARLES CRINZLER ; BRIAN OFAIRCLOTH ; ERIK C ALLEN ; HENRY A BERGERON ; PHILIP V CLARK ; GRUBB DARYL L HOUSTON ; KOLACHALAM SHARATH K SUGAR LAND ; FAIRCLOTH BRIAN O EVERGREEN ; ZEDIKER MARK S CASTLE ROCK

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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
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ZM ZW

32) Family number: 41619277 (US2008067792A)

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Title: AIRBAG DEPLOYMENT CONTROL BASED ON DEPLOYMENT CONDITIONS

Abstract: Method for controlling flow of gas into an airbag includes generating gas, directing the gas into the airbag, and controlling the flow of gas into the airbag based on conditions at the time of deployment such that the airbag is variably deployed dependent on ambient conditions. A related arrangement for controlling flow of gas into an airbag includes a system for generating gas, a system for directing the gas into the airbag and a system for controlling the flow of gas into the airbag based on conditions at the time of deployment such that the airbag is variably deployed dependent on ambient conditions.

Classifications:

International (IPC 8-9): B60R21/16 B60R21/213 B60R21/232

B60R21/26 B60R21/264 B60R21/272 (Advanced/Invention)

CPC: B60N2002/0272 B60N2/0232 B60N2/0276 B60N2/2863

B60R21/2032 B60R21/206 B60R21/214 B60R21/232 B60R21/233

B60R21/235 B60R21/239 B60R21/264 B60R2021/0004

B60R2021/0006 B60R2021/23107 B60R2021/23153 B60R2021/23161

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European: B60N2/02B4 B60N2/02B6W B60N2/28P4 B60R21/0132

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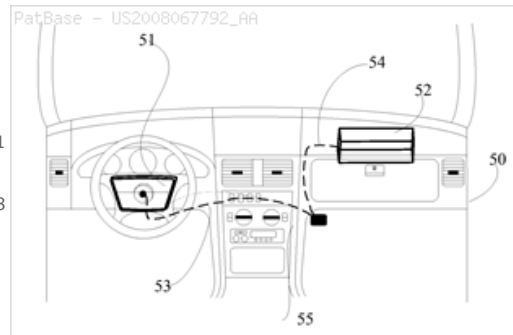
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US: 280/734 280/734P 280/735 280/736 280/740 280/742



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT

Assignee(s): AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC

Inventor(s): (std): BREED DAVID S

Inventor(s): BREED DAVID

Agent(s): BRIAN ROFFE ESQ; BRIAN

33) Family number: 33527279 (EP1192419A1)

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Title: INTEGRATED AND MULTI-AXIS SENSOR ASSEMBLY AND PACKAGING

Abstract: A system for acquiring environmental information measurements. The 5 system (100) utilizes a sensor, (205) a front-end circuit, (310) a loop filter (315), a switch controller (206), and a reduced-order loop control circuit to provide reliable data measurements while providing robust system behavior. The system further includes a sensor simulator (330) for simulating the operation of the sensor (205) and testing the operation of the front-end circuit (310) and the loop filter (315).

Classifications:

International (IPC 8-9): B65D85/38 G01D11/24 G01D18/00

G01D21/00 G01H1/00 G01L27/00 G01N1/02 G01P1/02 G01P15/00

G01P15/08 G01P15/125 G01P15/13 G01P15/18 G01P21/00

G01V1/047 G01V1/053 G01V1/104 G01V1/18 G01V1/40 H01L21/60

H01L29/84 H05K5/00 (Advanced/Invention);

G01D18/00 G01H1/00 G01L27/00 G01N1/02 G01P15/08 G01P15/125

G01P21/00 H05K5/00 (Advanced/Non-invention)

International (IPC 1-7): B65D85/38 G01D11/24 G01D21/00

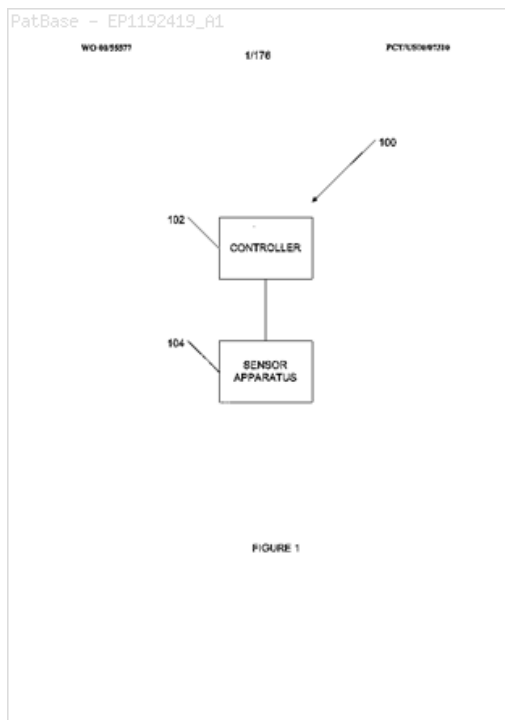
G01P1/02 G01P15/00

CPC: B81B3/001 B81B3/0072 B81B2201/0235 G01P1/023

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G01V1/186 H01L2924/0002 B81B7/0016 H01L2224/48472
H01L2924/13091
European: G01D11/24S G01D18/00C G01P1/02B G01P15/08A
G01P15/13 G01P21/00 G01V1/047 G01V1/053 G01V1/104
G01V1/18A G01V1/18B S01N1/02C



Family:

Publication number	Publication date	Application number	Application date
AU200036317 A1	20001004	AU20000036317	20000317
AU200036317 A5	20001004	AU20000036317	20000317
CA2366999 AA	20010917	CA20002366999	20000317
CA2366999 C	20090106	CA20002366999	20000317
DE60034451 D1	20070531	DE20006034451	20000317
DE60034451 D1	20070531	DE20006034451T	20000317
DE60034451 T2	20070830	DE20006034451T	20000317
EP1192419 A1	20020403	EP20000915012	20000317
EP1192419 A4	20041208	EP20000915012	20000317
EP1192419 B1	20070418	EP20000915012	20000317
JP2002539444 T2	20021119	JP20000605162T	20000317
JP5008219 B2	20120822	JP20000605162T	20000317
JP5008219 B2	20120822	JP20000605162	20000317
NO20014460 A	20011116	NO20010004460	20010914
NO20014460 A0	20010914	NO20010004460	20010914
NO20014460 L	20011116	NO20010004460	20010914
NO335756 B1	20150209	NO20010004460	20010914

Priority:

US19990125076P 19990317 WO2000US07310 20000317

Probable Assignee: ION GEOPHYSICAL CORP

Assignee(s): (std): INPUT OUTPUT INC ; ION GEOPHYSICAL CORP

Assignee(s): FABER KEES ; RINNE RAY ; YU DULI ; SELVAKUMAR ARJUN ; STALNAKER W MARC ; SIGMAR AXEL ; MORGAN DAVID ; YU LIANZHONG ; MARSH JAMES L ; MAXWELL PETER ; RUSHEFSKY LARRY ; DOMAGALSKI KLAUS ; LAROO RICHARD ; LEMKE GUIDO ; GOLDBERG HOWARD D ; IP MATTHEW ; ALTMAN SJOERD ; BALDERES DEMETRIOS ; BEHN LAWRENCE P ; BUIE THOMAS

Inventor(s): (std): LAROO RICHARD ; ALTMAN SJOERD ; FABER KEES ; BUIE THOMAS ; MORGAN DAVID ; MAXWELL PETER ; MARSH JAMES L ; YU DULI ; SELVAKUMAR ARJUN ; YU LIANZHONG ; DOMAGALSKI KLAUS ; BEHN LAWRENCE P ; IP MATTHEW ; LEMKE AL ; BALDERES DEMETRIOS ; RINNE RAY ; STALNAKER W MARC ; GOLDBERG HOWARD D ; SIGMAR AXEL ; RUSHEFSKY LARRY ; LEMKE GUIDO

Inventor(s): STALNAKER W ; RICHARD LAROO ; SJOERD ALTMAN ; KEES FABER ; THOMAS BUIE ; DAVID MORGAN ; PETER MAXWELL ; JAMES L MARSH ; DULI YU ; ARJUN SELVAKUMAR ; LIANZHONG YU ; KLAUS DOMAGALSKI ; LAWRENCE P BEHN ; MATTHEW IP ; AL LEMKE ; DEMETRIOS BALDERES ; RAY RINNE ; W MARC STALNAKER ; HOWARD D GOLDBERG ; AXEL SIGMAR ; LARRY RUSHEFSKY

Agent(s): CASSAN MACLEAN ; CASSAN MACLEAN IP AGENCY INC ; MOTOMIYA TERUHISA ; FUJINO IKUO ; TAKANASHI NORIMICHI ; UBUKATA KAZUO ; KATO NOBUAKI ; TAKAHASHI SEIICHIRO ; OCHI TAKAO ; USUI SHINICHI ; OKABE MASAO ; YOSHIZAWA HIROSHI ; OKABE YUZURU ; ASAHI NOBUMITSU

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN 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 NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

34) Family number: 70489280 (US2019308342A)

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Title: APPARATUSES AND SYSTEMS FOR AND METHODS OF GENERATING AND PLACING ZERO-SLUMP-PUMPABLE CONCRETE

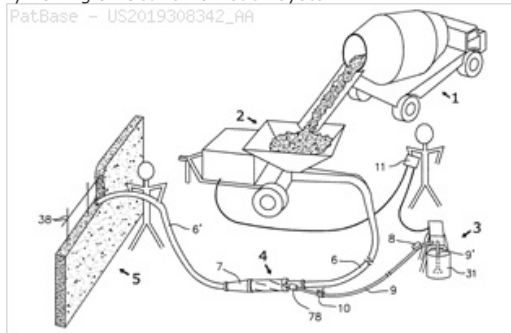
Abstract: Methods, systems, and devices, are developed for creating a means of in-situ placement of a concrete mix that can have the thixotropy to hold vertical dimension without containment, while maintaining pliability to be pumped into place and manipulated to a desired shape, and can be combined with concrete set accelerators, allowing subsequent layers of this concrete mix to be continuously stacked in place to build tall walls and such without the use of forms. Concrete without these

special properties is pumped toward the point of placement where it is modified by injecting and mixing, into that line of pumped concrete, an admixture containing thixotropes, thickeners and/or set accelerators or other modifiers to provide these properties and other improvements. This method allows conventional plant batching with commonly available constituent materials for batching an economical concrete that is delivered to a jobsite and then is pumped most of the way to a point of placement, before inline modification; allowing minimal conveyance and pumping of a zero-slump and set-accelerated concrete mix, avoiding difficulties and risk associated with pumping such a modified concrete mix. Various means of metering the injection of the admixture flow rate to correspond proportionally to the concrete flow rate are also disclosed. Alternatively a means for modifying a volumetric concrete batching and mixing system to achieve the same result is disclosed. A system is disclosed for defining a vertical or sloped concrete surface utilizing a movable beam attached to guide elements with sliding brackets, with the beam contact surface optionally having an active non-stick system.

Classifications:

International (IPC 8-9): B01F5/00 B28B1/16 B28C5/00 B28C5/06 B28C5/08 C04B111/00 C04B40/00 E04G21/02 E04G21/04 G01N33/38 (Advanced/Invention); C04B111/00 (Advanced/Non-invention)
CPC: B01F5/0473 B01F5/048 B01F5/0611 B01F5/0618 B01F2005/0091 B01F2005/0636 B28C5/06 B28C5/0875 B28C7/0418 B28C7/163 B28B1/16 E04G21/025 E04G21/0436 E04G21/10

PatBase - US2019308342_AA



Family:

Publication number	Publication date	Application number	Application date
CN110267928 A	20190920	CN201880005784	20180116
US2019308342 AA	20191010	US20180469623	20180116
WO18130913 A2	20180719	WO2018IB00301	20180116
WO18130913 A3	20181122	WO2018IB00301	20180116
WO18130913 A9	20190228	WO2018IB00301	20180116

Priority:

US20170446443P 20170115 US20170446444P 20170115 WO2018IB00301 20180116
US20180469623 20180116

Probable Assignee: BUTLER MICHAEL GEORGE

Assignee(s): (std): BUTLER MICHAEL GEORGE

Inventor(s): (std): BUTLER MICHAEL GEORGE ; BUTLER MICHAEL

Agent(s): WILLIAMS LARRY

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 JO JP KE KG KH 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

35) Family number: 49145287 (GB2476899A)

© PatBase

Title: A LOW TEMPERATURE GASIFICATION FACILITY WITH A HORIZONTALLY ORIENTED GASIFIER

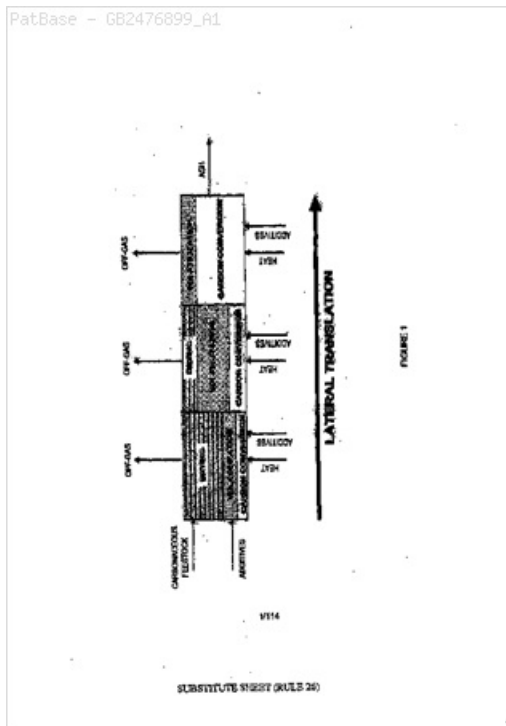
Abstract: A low-temperature gasification system comprising a horizontally oriented gasifier is provided that optimizes the extraction of gaseous molecules from carbonaceous feedstock while minimizing waste heat. The system comprises a plurality of integrated subsystems that work together to convert municipal solid waste (MSW) into electricity. The subsystems comprised by the low-temperature gasification system are: a Municipal Solid Waste Handling System; a Plastics Handling System; a Horizontally Oriented Gasifier with Lateral Transfer Units System; a Gas Reformulating System using plasma heat; a Heat Recycling System; a Gas Conditioning System; a Residue Conditioning System; a Gas Homogenization System and a Control System.

Classifications:

International (IPC 8-9): B09B3/00 C10J1/207 C10J3/00 C10K1/02 C10K3/00 (Advanced/Invention)

CPC: C10K1/003 C10K1/024 C10K3/008 B09B3/00 C10J3/00 C10K1/02 C10K3/00 Y02P20/129 C10J2300/0983 C10J2300/165 C10J2300/1693 C10K1/101 C10K1/12 C10K1/122 C10K1/14 C10K1/16 C10K1/20 C10K1/32 Y02E20/12 Y02E20/18 Y02E50/32 Y02P20/13 Y02W10/37 C10J3/84 C10J3/20 C10J3/463 C10J3/482 C10J3/723 C10J3/82 C10J2200/09 C10J2300/0946 C10J2300/1223 C10J2300/1238 C10J2300/1634 C10J2300/1671 C10J2300/1681 F23G5/027 F23G5/085 F23G2204/201 F23G2209/262 F23J7/00 F23J2219/70

European: C10J3/20 C10J3/48B C10J3/72C C10J3/82 C10J3/84 F23G5/027 F23G5/08C F23J7/00 M10J200/09 M10J300/09D14 M10J300/12F M10J300/12H2 M10J300/16D2D M10J300/16K M10J300/16P R23G204/201 R23G209/262 R23J219/70

**Family:**

Publication number	Publication date	Application number	Application date
GB201106382 A0	20110601	GB20110006382	20070507
GB2476899 A1	20110713	GB20110006382	20070507
GB2476899 B2	20111019	GB20110006382	20070507

Priority:

US20060797973P 20060505	WO2006CA00881 20060605	WO2006CA00882 20060605
US20060864116P 20061102	US20070911179P 20070411	GB20080022180 20070507

Probable Assignee: PLASCOENERGY IP HOLDINGS S L BILBAO SCHAFFHAUSEN BRANCH**Assignee(s):** (std): PLASCOENERGY IP HOLDINGS S L BILBAO SCHAFFHAUSEN BRANCH**Assignee(s):** PLASCOENERGY IP HOLDINGS SL ; PLASCOENERGY IP HOLDINGS S L**Inventor(s):** (std): SWAIN MARGARET ; TSANGARIS ANDREAS ; WAGLER THOMAS EDWARD ; MARCEAU PASCALE BONNIE ; CUI MAO PEI ; SHEN ZHIYUAN ; MCLEAN ALISDAIR ALAN ; FEASBY DOUGLAS MICHAEL ; SONI NIPUN ; CAMPBELL KENNETH CRAIG ; DOBBS GEOFFREY ; CHOTALIYA ASHISH ; BASHAM SCOTT DOUGLAS ; XIAOPING ZOU ; ZOU XIAOPING**Inventor(s):** THOMAS EDWARD WAGLER ; PASCALE BONNIE MARCEAU ; SCOTT DOUGLAS BASHAM ; GEOFFREY DOBBS ; NIPUN SONI ; MARGARET SWAIN ; MAO PEI CUI ; ZHIYUAN SHEN ; ANDREAS TSANGARIS ; ALISDAIR ALAN MCLEAN ; DOUGLAS MICHAEL FEASBY ; KENNETH CRAIG CAMPBELL ; ASHISH CHOTALIYA**36) Family number: 14747291 (US6726994B)**

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Title: STRUCTURAL MEMBER OF FLUORINE-CONTAINING POLYMER HAVING ADHESIVE PROPERTY AT HIGH TEMPERATURE AND SLIDING MATERIAL PRODUCED BY USING SAME**Abstract:** The structural member of the present invention comprises (A) a layer which comprises a fluorine-containing polymer and does not contain an adhesive material other than the fluorine-containing polymer substantially and (B) a substrate, in which the layer (A) is adhered directly to the substrate (B) without interposing a binder therebetween and a longitudinal shear strength between the layer (A) comprising a fluorine-containing polymer and the substrate (B) is not less than 0.98 N/mm² at 150 degrees centigrade. The structural member comprising a fluorine-containing polymer and a substrate adhered to each other, particularly the structural member having improved adhesive strength at high temperature and the sliding material produced by using the structural member are provided.**Classifications:****International (IPC 8-9):** B32B27/06 B32B27/08

F16C33/20 (Advanced/Invention);

B32B27/06 B32B27/08 F16C33/04 (Core/Invention)

International (IPC 1-7): B32B15/08 B32B27/28 B32B27/30

B32B27/34 B32B27/42 F16C33/20

CPC: B32B27/06 F16C33/201 Y10T428/31504 Y10T428/31533 Y10T428/3154 Y10T428/31544 Y10T428/31678 Y10T428/31721

Y10T428/31725 Y10T428/31786 Y10T428/31942 H01G7/021

Y02T10/7022 C23C28/00 C09D161/06 C09D179/08 C10M169/00

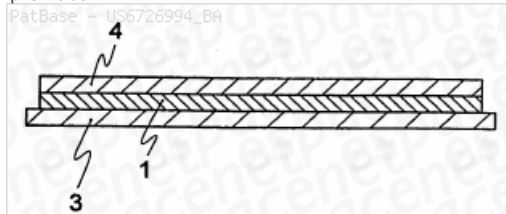
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C10M2217/0443 C10N2230/06 C10N2240/02 C10N2250/141 B32B27/20 B32B2307/306 B32B2323/04 B32B2379/08

B32B27/08

European: B32B27/06 B32B27/08 F16C33/20B**US:** 428/411.1 428/419 428/421 428/422 428/457 428/473.5 428/474.4 428/480 428/524**Family:**

Publication number	Publication date	Application number	Application date
JP2000029210 A1	20020219	JP20000582230T	19991116
US6726994 BA	20040427	US20010856066	20010517
WO0029210 A1	20000525	WO1999JP06377	19991116



Priority:

JP19980328591 19981118 WO1999JP06377 19991116

Probable Assignee: DAIKIN IND**Assignee(s):** (std): ARAKI TAKAYUKI ; DAIKIN IND LTD ; KOMORI MASAJI ; KUMEGAWA MASAHIRO ; MIYAMORI TSUYOSHI ; TANAKA YOSHITO**Assignee(s):** DAIKIN INDUSTRIES ; DAIKIN INDUSTRIES LTD ; DAIKIN IND**Inventor(s):** (std): KUMEGAWA MASAHIRO ; TANAKA YOSHITO ; KOMORI MASAJI ; MIYAMORI TSUYOSHI ; ARAKI TAKAYUKI**Agent(s):** ASAHINA SOHTA**Designated states:** AT BE CH CY DE DK ES FI FR GB GR IE IT JP LU MC NL PT RU SE US**37) Family number: 20701299** (US2003088967A)

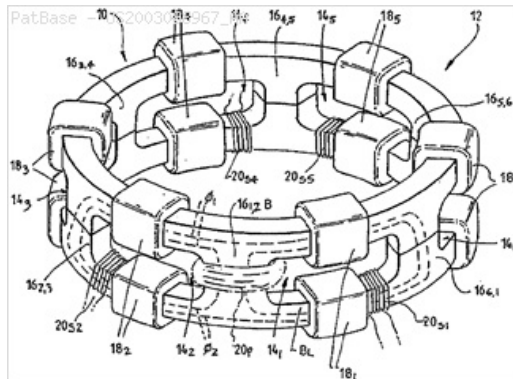
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Title: ENDLESS CORE FOR A MULTIPHASE TRANSFORMER AND A TRANSFORMER INCORPORATING SAME

Abstract: A core for a multi-phase transformer includes a body made of two or more rings having a common central axis. Each ring consists of a strip of magnetic permeable material wound about the central axis. The body is provided with a plurality of radially disposed windows, each window being bound by opposed axially extending legs and opposed circumferentially extending branches. The branches of each window are provided in respective axially adjacent rings, so that the branches and legs of each window define a closed magnetic circuit of substantially uniform magnetic permeability through which magnetic flux can circulate about the windows.

Classifications:**International (IPC 8-9):** B06B1/04 H01F27/24 H01F30/12 H02K1/22 H02K1/34 H02K16/00 H02K21/24 H02K3/47 H02K33/00 H02K33/12 H02K33/18 H02K35/00 H02K41/02 H02K41/035

H02P25/06 (Advanced/Invention); B06B1/02 H01F27/24 H01F30/06 H02K1/22 H02K33/00 H02K33/18 H02K35/00 H02K41/02 H02K41/035 H02P25/02 (Core/Invention)

International (IPC 1-7): B06B1/04 F16D13/68 H01F H01F17/06 H01F27/24 H01F30/12 H01F7/06 H02K H02K1/22 H02K1/34 H02K33/00 H02K33/18 H02K35/00 H02K41/00 H02K41/02 H02K41/035 H02K7/065 H02P7/00**CPC:** H02K33/18 H02K3/47 H02K16/00 H02K21/24 H02K33/12 Y10T29/49002 Y10T29/4902 Y10T29/49071 Y10T29/49073 H01F27/24 H01F30/12**European:** H01F27/24 H01F30/12 H02K16/00 H02K21/24 H02K3/47 H02K33/12 H02K33/18**US:** 29/592.1 29/592.100P 29/602.1 29/602.100S 29/605 29/605S 29/606 29/606S 310/12 310/12.24 310/15 310/15P 310/20 310/36 310/36P 336/178 336/212 336/234 355/53**Family:**

Publication number	Publication date	Application number	Application date
AU035899 A0	19990603	AU1999PQ00358	19990513
AU200015350 A1	20000605	AU20000015350	19991112
AU200015350 A5	20000605	AU20000015350	19991112
AU200015351 A1	20000605	AU20000015351	19991112
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AU35899 A0	19990603	AU1999PQ00358	19990513
AU712498 A0	19981210	AU1998PP07124	19981113
AU770692 B2	20040226	AU20000015350	19991112
AU773539 B2	20040527	AU20000015351	19991112
BRPI9915261 A	20020730	BR1999PI15261	19991112
BRPI9915262 A	20020115	BR1999PI15262	19991112
CA2350485 AA	20010514	CA19992350485	19991112
CA2350491 AA	20010514	CA19992350491	19991112
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EP1129458 A4	20020206	EP19990957729	19991112
EP1129518 A1	20010905	EP19990957728	19991112
EP1129518 A4	20060816	EP19990957728	19991112
IL143108 A0	20020421	IL19990143108	19991112
IL143109 A0	20020421	IL19990143109	19991112
IN202685 B	20070413	IN2001MN00574	20010521
JP2002530852 T2	20020917	JP20000583051T	19991112
JP2002531041 T2	20020917	JP20000583146T	19991112
NO20012269 A	20010711	NO20010002269	20010509
NO20012269 A0	20010509	NO20010002269	20010509
NO20012269 L	20010711	NO20010002269	20010509
NO20012270 A	20010705	NO20010002270	20010509
NO20012270 A0	20010509	NO20010002270	20010509
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US2003088967 AA	20030515	US20020063281	20020408
US2004222708 AA	20041111	US20040781923	20040218
US2008157608 AA	20080703	US20050598104	20050217
US6160328 A	20001212	US19980196274	19981119
US6703724 BA	20040309	US20000723816	20001128
US6909352 BB	20050621	US20020063281	20020408
WO0030130 A1	20000525	WO1999AU01006	19991112
WO0030239 A1	20000525	WO1999AU01005	19991112
WO05078908 A1	20050825	WO2005AU00207	20050217
ZA200103846 A	20020513	ZA20010003846	20010511
ZA200103849 A	20020513	ZA20010003849	20010511

Priority:

AU1998PP07124 19981113 AU1998PP07124 19981113 US19980196274 19981119
AU1999PQ00358 19990513 US19990421897 19991021 AU20000015350 19991112
AU20000015351 19991112 WO1999AU01005 19991112 WO1999AU01006 19991112
US20000723816 20001128 US20020063281 20020408 US20040781923 20040218
WO2005AU00207 20050217 US20050598104 20050217

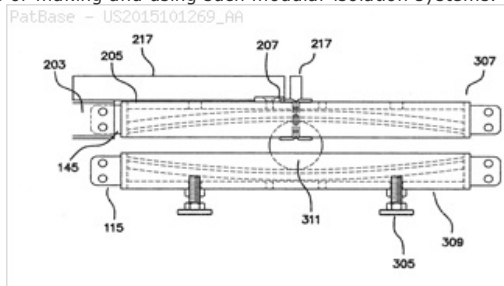
Probable Assignee: MERLEX PTY CORP LTD**Assignee(s):** (std): HOBSON BARRY REGINALD ; MERLEX PTY LTD CORP ; MERLEX CORP PTY LTD ; PAOLIELLO ANGELO**Assignee(s):** MERLEX PTY CORP LTD ; BAGNALL DAVID ; REVILL CHRISTOPHER PAULL ; REVILL CHRISTOPHER PAUL ; LAITHWAITE ERIC ROBERTS ; LAITHWAITE ERIC ROBERTS DECEASED**Inventor(s):** (std): CHRISTOPHER PAULL REVILL ; ERIC ROBERTS LAITHWAITE ; ERIC ROBERTS LAITHWALTE ; HOBSON BARRY REGINALD ; LAITHWAITE ERIC ROBERTS ; LAITHWAITE ERIC ROBERTS DI ; LAITHWALTE ERIC ROBERTS ; PAOLIELLO ANGELO ; ANGELO PAOLIELLO ; BARRY REGINALD HOBSON ; REVILL CHRISTOPHER PAULL ; REVILL CHRISTOPHER PAULL ; BAGNALL DAVID**Inventor(s):** ERIC ROBERTS DI LAITHWAITE ; BARRY REGINALD HOBSON ; REVILL CHRISTOPHER PAUL ; LAITHWAITE ERIC ROBERTS DECEASED**Agent(s):** GRIFFITH HACK; RIDOUT AND MAYBEE LLP; MCGARRY BAIR PC**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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW**38) Family number: 54706308 (US2015101269A)**

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Title: MODULAR ISOLATION SYSTEMS**Abstract:** A modular base isolation system suitable for constructing isolation floors and platforms using the same elements, and capable of scaling up or down to suit the payload mass. These systems are low profile and permit placement of such systems in places having restricted headroom. Also kits and methods of making and using such modular isolation systems.**Classifications:****International (IPC 8-9):** E01D19/04 E04B1/36 E04B1/98 E04F15/024 E04H9/02 F16F15/02 (Advanced/Invention)**CPC:** E04B1/36 E04B1/98 E04F15/02405 E04F15/02452

E04F15/02458 E04H9/023 E01D19/04 E04H9/024 E04H9/028

F16F15/02 F16F15/021 F16F2230/14

US: 1/1 52/167.5**Family:**

Publication number	Publication date	Application number	Application date
CA2866081 AA	20140829	CA20132866081	20130301
CA2866081 C	20160112	CA20132866081	20130301
JP2015511687 T2	20150420	JP20140560090T	20130301
US2015101269 AA	20150416	US20130380899	20130301
US9109357 BB	20150818	US20130380899	20130301
WO13130975 A1	20130906	WO2013US28621	20130301

Priority:

US20120605669P 20120301 US20130380899 20130301 WO2013US28621 20130301

Probable Assignee: WORKSAFE TECHNOLOGIES**Assignee(s):** (std): WORKSAFE TECHNOLOGIES**Assignee(s):** WORKSAFE TECHNOLOGIES25133 AVENUE TIBBITTS, BLDG. FVALENCIACA91355US ; HUBBARD DONALD A ; MORENO GIL A**Inventor(s):** (std): HUBBARD DONALD A ; MORENO GIL A ; HUBBARD DON A**Inventor(s):** HUBBARD DONALD AUS ; MORENO GIL AUS**Agent(s):** GOWLING LAFLEUR HENDERSON LLP; ONDA MAKOTO; ONDA HIRONORI; STOUT UXA AND BUYAN LLP; CARLOS A; FISHER CARLOS 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 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 PA PE PG PH PL PT QA RO RS RU RW 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**39) Family number: 43682309 (US2009217970A)**

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Title: FIXTURES FOR LARGE AREA DIRECTIONAL AND ISOTROPIC SOLID STATE LIGHTING PANELS**Abstract:** Reflector designs for a large area panel light source create induced draft cooling means adjacent to the panel light source. The panel light source has a wavelength conversion element on a solid state light source for emitting light of a first and second wavelength to form a broader emission spectrum of light from the panel light source.**Classifications:****International (IPC 8-9):** E04B9/00 E04B9/04 E04B9/18 E04B9/24

F21K9/20 F21K9/62 F21K99/00 F21S8/02 F21S8/04 F21S9/02

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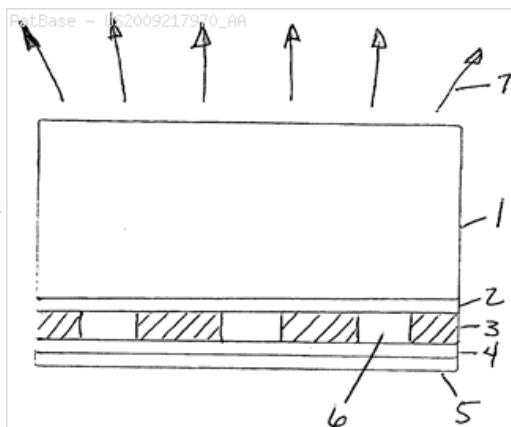
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 H01L27/15 H01L29/22 H01L31/00 H01L31/0232 H01L33/08
 H01L33/32 H01L33/50 H01L33/58 H01L33/60 H01L33/64 H01R11/30
 H05K1/02 H05K1/03 (Advanced/Invention);
 F21V13/00 F21V29/00 F21V29/54 F21V33/00 F21Y101/00
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 H01R11/11 (Advanced/Non-invention);
 F21V29/00 F21V7/00 H01L31/00 (Core/Invention)

CPC: F21V9/08 F21V21/096 F21V13/08 F21S9/03 F21K9/00 F21S9/02
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 H05K1/0306 H05K2201/0108 H05K2201/083 H05K2201/10106
 H05K2201/2054 F21S8/026 F21V7/0008 F21V29/507
 H01L2924/00014 H01L33/486 H01L2224/14 E04B9/363 F21V7/22
 H01L27/15 H01L33/08 H01L33/32 H01L33/50 H01L33/64 F21S4/28
 H01L2924/12044 F21S8/046 F21V23/02 H01L2224/48227
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 H01L2224/48091 H01L2224/8592 H01L2924/00012 H01L25/0753 H01L33/58 F21S8/061

European: F21K9/00 H01L33/50D T01L33/60 T01L33/64 T01L33/64C T01L33/64H

US: 1/1 136/252 257/76 257/77 257/88 257/89 257/98 257/E33.075 313/485 313/503 313/51 362/145 362/147 362/183
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Family:

Publication number	Publication date	Application number	Application date
CA2929535 AA	20160503	CA20142929535	20141104
CN105579763 A	20160511	CN201480049626	20140710
CN105579763 B	20180601	CN201480049626	20140710
EP3019790 A1	20160518	EP20140822476	20140710
EP3019790 A4	20170301	EP20140822476	20140710
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RU2016122048 A	20171211	RU20160122048	20141104
US2009217970 AA	20090903	US20090380439	20090227
US2013099264 AA	20130425	US20120572608	20120810
US2014036493 AA	20140206	US20130052567	20131011
US2014042467 AA	20140213	US20130042569	20130930
US2014061707 AA	20140306	US20130071609	20131104
US2014146527 AA	20140529	US20130020893	20130908
US2014153227 AA	20140605	US20130020892	20130908
US2014225132 AA	20140814	US20130071630	20131104
US2014226317 AA	20140814	US20130071636	20131104
US2014362563 AA	20141211	US20130986793	20130605
US2014367703 AA	20141218	US20140472993	20140829
US2014369030 AA	20141218	US20140204476	20140311
US2014369031 AA	20141218	US20140255487	20140417
US2015023023 AA	20150122	US20140258000	20140421
US2015138779 AA	20150521	US20140566696	20141210
US2016273720 AA	20160922	US20140034233	20141104
US8558438 BB	20131015	US20090380439	20090227
US8575641 BB	20131105	US20120572608	20120810
US8704262 BB	20140422	US20130042569	20130930
US8823035 BB	20140902	US20130071609	20131104
US9057499 BB	20150616	US20140255487	20140417
US9062854 BB	20150623	US20140258000	20140421
US9214616 BB	20151215	US20140472993	20140829
US9243782 BB	20160126	US20130052567	20131011
US9267668 BB	20160223	US20130020892	20130908
US10121950 BB	20181106	US20130071630	20131104
US10125931 BB	20181113	US20130071636	20131104
WO15006593 A1	20150115	WO2014US46205	20140710
WO15066703 A2	20150507	WO2014US63909	20141104
WO15066703 A3	20150820	WO2014US63909	20141104
WO15066730 A1	20150507	WO2014US63962	20141104

Priority:

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Probable Assignee: GOLDENEYE INC

Assignee(s): (std): ARMSTRONG WORLD IND INC ; BEESON KARL W ; BOSS RICHARD L ; DEANDA EDUARDO ;
 GOLDENEYE INC ; ROSS RICHARD L ; LIVESAY WILLIAM R ; ZIMMERMAN SCOTT M ; LIVESAY CHAD R ;
 LIVESAY WILLIAM R

Assignee(s): PATTERSON BRIAN ; MYERS JERE W

Inventor(s): (std): LIVESAY WILLIAM R ; ROSS RICHARD L ; BEESON KARL W ; ZIMMERMAN SCOTT M ; BOSS RICHARD L ;
 DEANDA EDUARDO ; LIVESAY CHAD R ; LIVESAY WILLIAM R ; LIVESAY WILLIAM ; MYERS JERE W ;
 PATTERSON BRIAN ; ZIMMERMAN SCOTT

Agent(s): GOWLING WLG CANADA LLP; RICHARDS JOHN; JENKINS PETER DAVID; OHNO SEIJI; GOLDENEYE INC; WILLIAM; PROPP ESQ WILLIAM; GALLENSON MAVIS S ET AL; FERNANDEZ AMY M

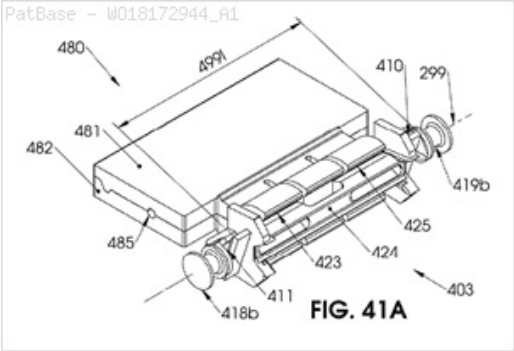
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40) Family number: 71311319 (WO18172944A1) © PatBase

Title: SYSTEMS METHODS AND DEVICES RELATING TO HINGES AND AUDIO TRANSDUCERS

Abstract: A hinge system having at least three hinge joints, consisting each of a hinge element and an associated contact member. The contact surface of the hinge element of each hinge joint moves relative to the contact surface of the associated contact member to enable rotatable oscillation of the hinge joint about a common axis of rotation during operation. The contact surface of each contact member is convexly curved and the hinge joints comprise convex surfaces facing in different directions to enhance operation of the hinge system. Multiple convex surfaces are preferably formed on a relatively rigid component to reduce manufacturing complexity and improve operation. The hinge system is particularly suited for audio transducer applications, but may also be used in other applications, such as in other electromechanical devices.

Classifications:
International (IPC 8-9): G06F1/16 H04R7/00 H04R7/02 H04R7/04 H04R7/16 H04R7/24 H04R7/26 H04R9/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
AR111296 AA	20190626	AR2018P100655	20180321
TW201904310 A	20190116	TW20180109699	20180321
WO18172944 A1	20180927	WO2018IB51881	20180321

Priority:

NZ20170730410 20170322 NZ20170730465 20170323 NZ20170730631 20170331
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Probable Assignee: WING ACOUSTICS LTD

Assignee(s): (std): WING ACOUSTICS LTD

Inventor(s): (std): PALMER DAVID JOHN ; PALMER MICHAEL IAN ; HARDY CHRISTOPHER MARCK

Agent(s): DISCOVER IP

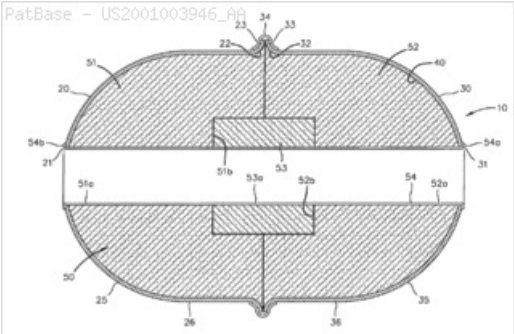
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41) Family number: 28116324 (US2001003946A) © PatBase

Title: LINE CHARGE SYMPATHETIC DETONATION ARRESTOR

Abstract: A detonation arrestor cuts the detonating cord of a dud line charge to prevent the pressure wave from a nearby explosion from sympathetically detonating the dud line charge. A housing of the detonation arrestor has a transverse passageway to receive the detonating cord of the dud line charge and an axial bore intersecting the passageway. A cutter piston having a cutter blade is disposed in the bore and is sized to permit axial displacement by a shallow dish-shaped diaphragm spring. The diaphragm spring has its center adjacent to one end of the cutter piston and laterally extends from the bore to be secured to the housing along its round periphery in a sealed relationship. The diaphragm spring is formed in the configuration of a Belleville spring from a spring material providing strength, rigidity, and spring modulus to snap to an extended position when displaced to a position past an over center position by an impinging pressure wave. When the diaphragm spring is displaced by the impinging pressure wave to snap to the extended position, it axially displaces the cutter piston in the bore to cut the detonating cord with the cutter blade and arrest detonation of interconnected ordnance.

Classifications:
International (IPC 8-9): B63G7/02 F41H11/12 F41H11/14 F42B3/00 (Advanced/Invention); B63G7/00 F41H11/00 F42B3/00 (Core/Invention)
International (IPC 1-7): B21D39/02 B23P21/00 B63G7/02 B64D1/04 F41F5/00 F41H11/12 F42B7/02
CPC: Y10T29/49893 Y10T29/49954 Y10T29/53313 Y10T29/53978 B63G7/02 F41H11/12 F41H11/14 F42B3/00
European: B63G7/02 F41H11/12 F41H11/14 F42B3/00
US: 102/318 102/403 102/473 102/482 102/487 102/504 149/19.9 149/199 149/92 29/1.21 29/281.5 29/463 29/525.05 29/771 86/53 89/1.1 89/1.11 89/1.13 89/1.130P 89/1.34 89/11



Family:

Publication number	Publication date	Application number	Application date
US2001003946 AA	20010621	US20010770794	20010129
US5932835 A	19990803	US19970944049	19970912
US5959233 A	19990928	US19980034772	19980302
US6205903 BA	20010327	US19980012932	19980124
US6227095 BA	20010508	US19990288084	19990409
US6253450 BA	20010703	US19990257142	19990223
US6295911 BA	20011002	US19980146918	19980831
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Priority:

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Probable Assignee: NAVY US GOV SECRETARY AS**Assignee(s):** (std): US NAVY

Assignee(s): SECRETAY OF NAVY AS US GOV ; SECRETAY OF NAVY US ; THE UNITED STATES OF AMERICA AS REPRESENTED BY THE ; THE UNITED STATES OF AMERICA REPRESENTED BY THE SE ; THE UNITED STATES OF AMERICA REPRESENTED BY THE SECRETARY OF THE NAVY ; THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE NAVY ; SECRETARY OF NAVY US GOV ; NAVY UNITED STATED OF AMERICA AS REPRESENTED BY SE ; NAVY UNITED STATED OF AMERICA REPRESENTED BY SECRE ; NAVY UNITED STATED OF AMERICA REPRESENTED BY SECRETARY OF AS ; NAVY US GOV SECRETARY AS ; NAVY US GOV SECRETARY OF THE CHIEF OF NAVAL RESEAR ; NAVY US GOV SECRETARY OF BALLSTON TOWER ONE AS ; NAVY US SEC THE ; NAVY US SECRETARY ; NAVY US SEC ; NAVY US GOV SECRETARY OF AS ; SECRETARY OF NAVY AS US GOV ; NAVY US GOV SECRETARY OF THE AS

Inventor(s): (std): PIPKIN JOHN ; DOYLE CHRISTOPHER ; WOODALL ROBERT ; GARCIA FELIPE ; IRIZARRY GILBERTO**42) Family number: 50117335** (US2011305369A)

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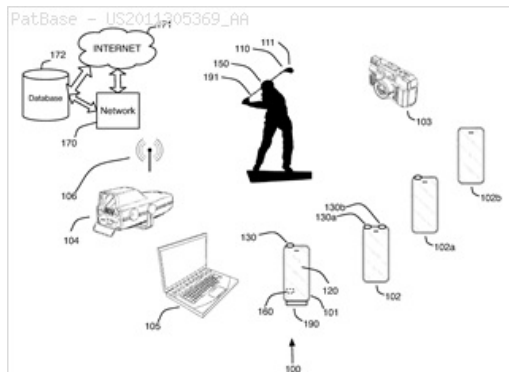
Title: PORTABLE WIRELESS MOBILE DEVICE MOTION CAPTURE AND ANALYSIS SYSTEM AND METHOD

Abstract: Portable wireless mobile device motion capture and analysis system and method configured to display motion capture/analysis data on a mobile device. System obtains data from motion capture elements and analyzes the data. Enables unique displays associated with the user, such as 3D overlays onto images of the user to visually depict the captured motion data. Ratings associated with the captured motion can also be displayed. Predicted ball flight path data can be calculated and displayed. Data shown on a time line can also be displayed to show the relative peaks of velocity for various parts of the user's body. Based on the display of data, the user can determine the equipment that fits the best and immediately purchase the equipment, via the mobile device. Custom equipment may be ordered through an interface on the mobile device from a vendor that can assemble-to-order customer built equipment and ship the equipment. Includes active and passive golf shot count capabilities.

Classifications:

International (ipc 8-9): A42B3/00 A61B5/00 A61B5/103 A61B5/11 A63B15/02 A63B21/00 A63B24/00 A63B26/00 A63B35/00 A63B49/02 A63B49/08 A63B53/00 A63B53/12 A63B53/14 A63B57/00 A63B59/00 A63B60/00 A63B60/16 A63B60/46 A63B69/00 A63B69/36 A63B69/38 A63B71/00 A63B71/02 A63B71/06 A63C11/00 A63C17/01 A63C17/26 A63C5/03 A63C5/06 A63F13/00 A63F13/10 A63F13/12 A63F13/20 A63F13/211 A63F13/212 A63F13/213 A63F13/215 A63F13/216 A63F13/217 A63F13/23 A63F13/30 A63F13/332 A63F13/335 A63F13/35 A63F13/428 A63F13/573 A63F13/65 A63F13/812 A63F13/828 A63F13/86 A63F13/92 A63F9/24 B63B35/79 G01B11/00 G01B11/14 G01B21/00 G01C19/00 G01C19/5776 G01C21/00 G01C21/12 G01C21/16 G01C25/00 G01D11/24 G01D21/00 G01L5/00 G01P13/00 G01P15/00 G01P15/02 G01P21/00 G01P21/02 G01P3/00 G01S19/19 G01S19/35 G03B39/00 G06F15/16 G06F16/2458 G06F17/00 G06F17/30 G06F17/40 G06F19/00 G06F3/01 G06F3/0346 G06F3/14 G06K9/00 G06K9/03 G06K9/20 G06K9/78 G06Q10/06 G06Q10/08 G06T1/00 G06T13/40 G06T15/00 G06T19/00 G06T7/00 G06T7/20 G06T7/246 G06T7/70 G07F17/32 G08B13/14 G08B21/00 G08B21/04 G09B19/00 G09B9/00 G09G5/00 G11B20/10 G11B27/022 G11B27/031 G11B27/10 G11B27/15 G11B27/17 G11B27/28 G11B27/34 G11B31/00 G12B13/00 G16H20/30 G1B11/00 H01Q1/52 H01Q13/10 H01Q21/28 H01Q9/42 H04B1/3827 H04B1/40 H04M1/725 H04N11/02 H04N13/00 H04N13/02 H04N17/00 H04N17/02 H04N21/234 H04N21/242 H04N21/422 H04N21/80 H04N21/8549 H04N5/225 H04N5/232 H04N5/247 H04N5/262 H04N5/765 H04N5/77 H04N5/783 H04N5/91 H04N5/92 H04N5/932 H04N7/18 H04N9/47 H04N9/804 H04N9/82 H04W4/00 H04W80/12 H04W88/02 H05K5/00 H05K5/02 H05K7/00 (Advanced/Invention); A42B3/04 A61B5/00 A61B5/11 A63B21/00 A63B21/072 A63B49/00 A63B49/08 A63B53/00 A63B53/14 A63B59/50 A63B60/42 A63B69/00 A63B71/00 A63B71/06 A63F13/212 A63F13/355 G01C21/16 G01S19/19 G01S19/35 G01S19/36 G06K9/00 G06Q20/12 G06Q50/00 G08B21/04 G08B25/01 H04H60/02 H04M1/725 H04N13/00 H04N21/422 H04W28/04 H04W4/06 H04W84/18 H04W88/02 (Advanced/Non-invention)

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US20180196676 20181120

Probable Assignee: BLAST MOTION INC

Assignee(s): (std): BENTLEY MICHAEL ; BLAST MOTION INC ; BOSE BHASKAR ; GOREE JOHN ; FITZPATRICK MICHAEL ; KAPS RYAN ; SCARBO JOE ; LOHR SCOTT ; HAAS JUERGEN

Assignee(s): HAYNES TIM ; ABDEL RAHMAN MAZEN ; ALAM SHEEHAN ; BLAST MOTION INC401 - 345 LORTON AVENUEBURLINGAMECA94010US ; GILLIAN MICHAEL ; BLAST MOTION INC ENCINITAS ; CAPS RYAN ; GUPTA PIYUSH ; ESTREM BRIAN ; BLAST MOTION INC BURLINGAME

Inventor(s): (std): BENTLEY MICHAEL ; BOSE BHASKAR ; GOREE JOHN ; SCARBO JOSEPH ; GUPTA PIYUSH ; ABDEL RAHMAN MAZEN ; GILLIAN MICHAEL ; ALAM SHEEHAN ; GUPTA PYUSH ; BENTLEY MCHAEAL ; ESTREM BRIAN ; GILLEN MICHAEL ; MARTIN JOSHUA ; HAYNES TIM ; FITZPATRICK MICHAEL ; KAPS RYAN ; HAAS JUERGEN ; LOHR SCOTT ; SCARBO JOE

Inventor(s): BENTLEY MICHAEL ENCINITAS ; BOSE BHASKAR CARLSBAD ; GOREE JOHN BURLINGAME ; BOSE BHASKAR BURLINGAME ; GUPTA PIYUSH BURLINGAME ; CAPS RYAN ; KAPS RYANUS ; BOSE BHASKARUS ; BENTLEY MICHAELUS ; HAYNES TIMUS ; GOREE JOHNUS

Agent(s): COLLISON AND CO; CREATEIP; ENGFIELD PROFESSIONAL CORP; VALADARES LAW PROFESSIONAL CORP; SMITHS IP; SCHMITT NILSON SCHRAUD WAIBEL WOHLFROM PATENTANWAELTE PARTNERSCHAFT MBB; PURDYLUCEY INTELLECTUAL PROPERTY; LUCEY MICHAEL; CARMODY MARK; REEDY ORLAITH; ARC IP LAW PC; JOSEPH J; MAYO JOSEPH J; MAYO JOSEPH

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 JO JP KE KG KH KM KN KP KR KW 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

43) Family number: 57712336 (DE102013007467B4)

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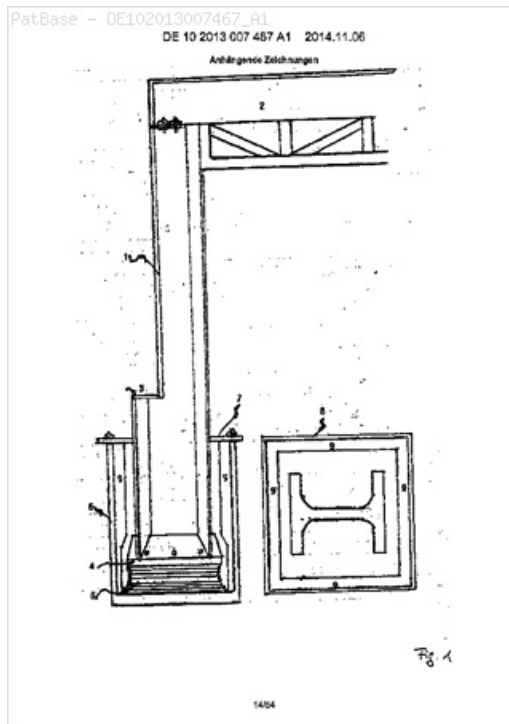
Title: SPEZIELL KONSTRUIERTE, ERDBEBENISOLIERTE STAHLWOHNHAEUSER

Abstract: Source: DE102013007467B4 [DE] Gebaeude mit einem Daempfungssystem gegen Erdbeben, mit einem Portal, umfassend eine Mehrzahl von Portalrahmen mit jeweils zwei ueber einen Quertraeger (2) verbundenen Portalstuetzen (1), sowie mit einer Fundamentierung, dadurch gekennzeichnet, dass auf dem Quertraeger (2) ein Pendelrahmen (9) aufliegt, welcher von einer das Gebaeude umhuellenden Huellkonstruktion (10) mit einem Dach und wenigstens einer Wand eingehuellt ist, dass die Portalstuetzen (1) im unteren Bereich ueber einen Ringanker (12) mittels Ankermanschetten (13) auf einem einteiligen Fundament (11) fest verankert sind, dass das Daempfungssystem erste Daempfungselemente (6) aufweist, die jeweils zwischen einer Portalstuetze (1) und einem im Fundament (11) vorgesehenen Koecher (4) angeordnet sind, und das zweite Daempfungselemente (7) in Form variabler Sattellager (14) aufweist, welche jeweils auf einem Ruecksprung (3) der Portalstuetze (1) zwischen dieser und dem Pendelrahmen (9) mit der Huellkonstruktion (10) angeordnet sind.

Classifications:

International (IPC 8-9): E04H9/02 (Advanced/Invention)

CPC: E04H9/024



Family:

Publication number	Publication date	Application number	Application date
DE102013007467 A1	20141106	DE201310007467	20130502
DE102013007467 B4	20170727	DE201310007467	20130502

Priority:

DE201310007467 20130502

Probable Assignee:

BURGERT HUBERT

Assignee(s): (std):

BURGERT HUBERT

Inventor(s): (std):

BURGERT HUBERT

Title: METHODS AND APPARATUS FOR SEISMIC MOUNT

Abstract: A seismic mount according to various aspects of the present technology may comprise a housing having at least two independent isolation sections. The first isolation section may comprise a sliding plate system fixedly attached to a structure on a first end and disposed within the housing on a second end. The first sliding plate may be configured to allow the housing to move about the fixed position of the first sliding plate during a transient period such as seismic event. A second sliding plate system may be coupled to the housing and extend downwardly therefrom. The second sliding plate system may be configured to allow for independent movement of both the housing and the second sliding plate system with respect to each other during the seismic event.

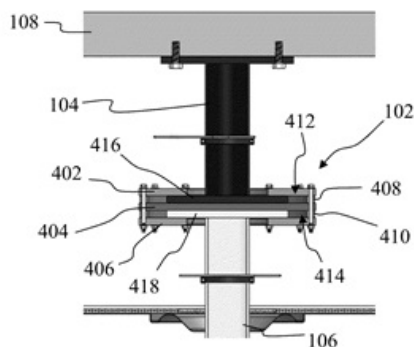
Classifications:

International (IPC 8-9): A61B90/50 E04B1/98 F16F7/08 F16M11/00 F16M11/20 F16M13/00 F16M13/02 (Advanced/Invention); F16M11/08 (Advanced/Non-invention)

CPC: F16M13/02 F16M11/2014 A61B90/50 F16M2200/041 E04H9/021 F16M11/08 F16M11/24 F16M13/027

US: 1/1

PatBase - US9447915_BA



Family:

Publication number	Publication date	Application number	Application date
US9447915 BA	20160920	US20160077735	20160322

Priority:

US20160077735 20160322

Probable Assignee:

MORGAN BRENT

Assignee(s): (std):

MORGAN BRENT

Inventor(s): (std):

MORGAN BRENT

Agent(s):

NOBLITT GROUP PLLC

Title: OPTICAL FILTRATION SYSTEM FOR DIAMOND MATERIAL WITH NITROGEN VACANCY CENTERS

Abstract: A system provides light received from NV diamond material to an optical collector. The provision of light received from NV diamond material to an optical collector impacts the efficiency by which light is directed to the optical collector. The system may be employed to efficiently direct light from the NV diamond material to the optical collector.

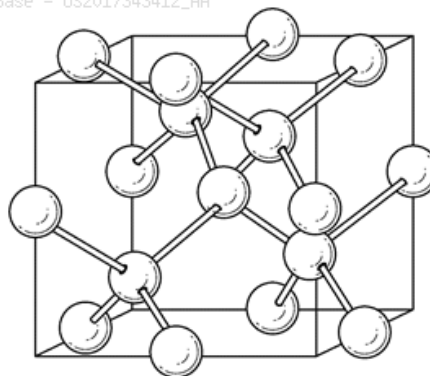
Classifications:

International (IPC 8-9): B64C39/02 C01B31/06 C12Q1/68 C12Q1/6869 F21V8/00 G01C21/20 G01D5/14 G01J1/04 G01J1/58 G01N21/63 G01N21/64 G01N22/00 G01N24/00 G01N24/10 G01N24/12 G01N27/72 G01R33/00 G01R33/02 G01R33/022 G01R33/032 G01R33/12 G01R33/26 G01R33/28 G01R33/32 G01R33/44 G01R33/50 G01R33/60 G01R35/00 G01V3/00 G01V3/08 G01V3/14 G01V3/18 G01V3/26 G01V3/38 G01V3/40 G01V5/02 G02F1/35 G05D1/00 G05G1/10 H05K1/18 (Advanced/Invention); G01N21/87 G01N24/12 G01R33/032 G02B6/10 (Advanced/Non-invention)

CPC: G01J1/0488 G01R33/0023 G01R33/1284 G01N21/64 G01N21/87 G01N2201/06113 G01R33/0047 G01R33/02 G01R33/022 G01C21/20 G02F2/02 G01N21/6489 G01N2021/1727 G01N2021/646 G01R33/1269 C12Q1/6869 G01V3/101 G01V3/16 G01R33/0029 G01D5/14 G01V3/081 G01R33/00 G01J1/58 B64C39/02 G01R33/60 C12Q2563/116 C12Q2563/137 C12Q2563/143 C12Q2565/633 G02F1/35 G01J1/0422 G01J1/0425 G02B6/0045 G02B6/0096 G02B6/10 G01R33/26 G01N24/10 G01N24/12 G01R33/323 G01R33/032

US: 1/1 250/458.1 324/244.1 324/301 324/304 324/316 436/501

PatBase - US2017343412_AA



Family:

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Priority:

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Probable Assignee: LOCKHEED MARTIN CORP

Assignee(s): (std): LOCKHEED CORP

Assignee(s): LOCKHEED MARTIN CORP

Inventor(s): (std): LUZOD NICK ; LEW WILBUR ; LUZOD NICHOLAS M ; HYUNH DUC ; GNADT WILLIAM ; STETSON JR JOHN B ; NICKOLAS MAURIELLO LUZOD ; SINTON STEVEN S ; LUZOD NICHOLAS MAURIELLO ; HAHN JOSEPH W ; BRUCE GREGORY SCOTT ; NICK LUZOD ; JOSEPH W HAHN ; WILBUR LEW ; ARUL MANICKAM ; PETER G KAUP ; GREGORY S BRUCE ; DIMARIO MICHAEL ; HANSEN JAY ; MONTGOMERY GARY EDWARD ; STETSON JOHN B ; SEKELSKY STEPHEN ; RUSSO JON C ; FISK BRYAN NEAL ; VILLANI JOSEPH A ; DIMARIO MICHAEL JOHN ; KAUP PETER G ; SINTON STEVEN W ; HANSEN JAY T ; COAR DAVID NELSON ; MEYER THOMAS J ; BEDWORTH PETER V ; SHAW MARGARET MILLER ; MILLER JULIE LYNNE ; MANICKAM ARUL ; SWETT JACOB LOUIS ; HUYNH DUC ; JACKSON KENNETH MICHAEL ; KRAUSE JAMES MICHAEL ; MANDEVILLE ANDREW RAYMOND ; KOTTAPALLI ANJANEY PRAMOD

Agent(s): GLAWE DELFS MOLL; FOLEY AND LARDNER LLP; THOMPSON ELEY O ET AL

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 KH KM KN KP KR KW 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: RACK SYSTEM FOR HIGH PERFORMANCE AUDIO/VIDEO COMPONENTS

Abstract: A rack system for use with high performance audio and video components is described. Preferred embodiments of the rack system are customizable and modular comprising horizontally and vertically extending elongated sections of strut channel that are secured together with cap screws and channel nuts. Components are supported on the rack by way of specially configured mounts, as the preferred embodiment racks are shelfless. The mounts typically include one or both of a constrained layer of viscoelastic damping material and a bearing assembly to help isolate the components and to absorb vibration energy passing through the rack or generated by a component. The mounts also typically include a threaded stud that extends from one side and facilitates the attachment of the mounts to horizontally orientated strut channel elements.

Classifications:

International (IPC 8-9): H05K7/18 (Advanced/Invention);
H05K7/18 (Core/Invention)

International (IPC 1-7): H04N5/76

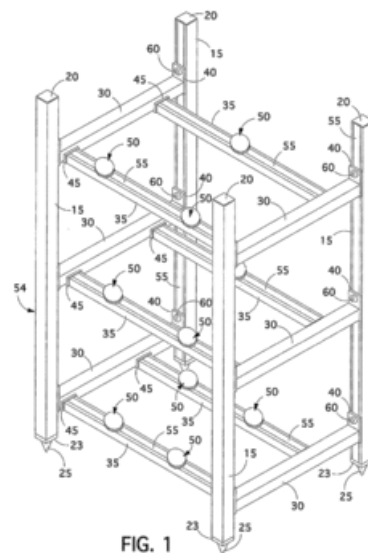
CPC: H05K7/18

European: H05K7/18

US: 211/26 386/46

PatBase - US2004105655_A1

Patent Application Publication Jan. 3, 2004 Sheet 1 of 48 US 2004/0105655 A1



Family:

Publication number	Publication date	Application number	Application date
US2004105655 AA	20040603	US20030717259	20031119

Priority:

US20020428458P 20021122 US20030717259 20031119

Probable Assignee: CIULLA JOSEPH S

Assignee(s): (std): CIULLA JOSEPH S

Inventor(s): (std): CIULLA JOSEPH S

Title: Acoustic sensor array for non-invasive detection of coronary artery disease

Abstract: Methodology for determining the bounds of a patient's acoustic window is described. Medical application acoustic array designs with apertures accommodated by patient acoustic windows and merged acoustic windows are exemplified.

Classifications:

International (IPC 8-9): A61B5/02 A61B7/00 A61B7/04 A61B8/06
G01S15/52 G01S15/89 G01S7/52 (Advanced/Invention);
A61B19/00 A61B5/0402 A61B5/08 G01S15/52

G01S7/521 (Advanced/Non-invention);

A61B7/00 A61B8/06 G01S15/00 G01S7/52 (Core/Invention);

A61B5/0402 A61B5/08 G01S7/521 (Core/Non-invention)

International (IPC 1-7): A61B5/00 A61B5/02 A61B5/05 A61B7/00

A61B8/06 G01S15/89 G01S7/52

CPC: A61B5/026 A61B5/0456 A61B5/06 A61B5/7257 A61B7/04

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G01S15/899 G01S15/8993 A61B34/20 A61B2034/2055

A61B2034/2063 A61B2090/3983

European: A61B19/52H12 A61B7/00 A61B7/04 A61B8/06

A61B8/42D G01S15/89D7 G01S7/52S2F K61B19/52H12B12

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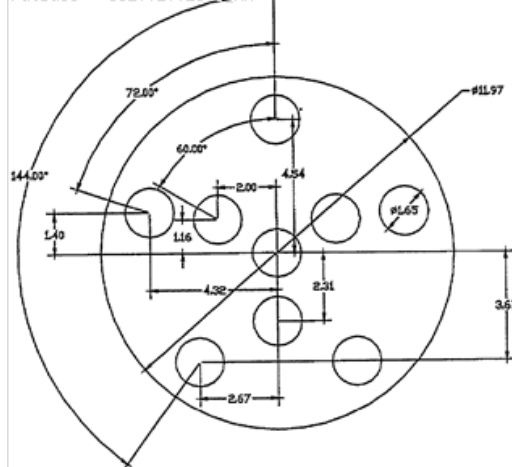
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US: 128/897 600/407 600/407P 600/437 600/454 600/481 600/481P

600/504 600/504P 600/528 600/586 600/586S

PatBase - US2001001808_A1



Family:

Publication number	Publication date	Application number	Application date
AU199852471 A1	19990531	AU19980052471	19971110
AU200023442 A1	20000529	AU20000023442	19991105
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Priority:

EP19970009147	19971110	EP19970947373	19971110	WO1997US20186	19971110
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Probable Assignee: MCG INT INC

Assignee(s): (std): CHASSAING CHARLES E ; HARRIS CORP ; MEDACOUSTICS INC ; RYDEN CARL ASHLEY ; STEARNS SCOTT DONALDSON ; VANHORN MARK HAROLD

Assignee(s): NGUYEN HUNG ; HORN MARK HAROLD VAN ; MCG INT INC

Inventor(s): (std): HORN MARK HAROLD VAN ; NGUYEN HUNG ; VAN HORN MARK HAROLD ; CHASSAING CHARLES E ; STEARNS SCOTT DONALDSON ; VANHORN MARK HAROLD ; RYDEN CARL ASHLEY ; CARL ASHLEY RYDEN ; CHARLES E CHASSAING ; MARK HAROLD VANHORN ; SCOTT DONALDSON STEARNS

Inventor(s): HUNG NGUYEN

Agent(s): MYERS BIGEL SIBLEY AND SAJOVEC PA

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

48) Family number: 28626375 (US2003075223A)

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Title: DISCHARGE VALVES FOR AIRBAGS AND AIRBAGS INCLUDING THE SAME

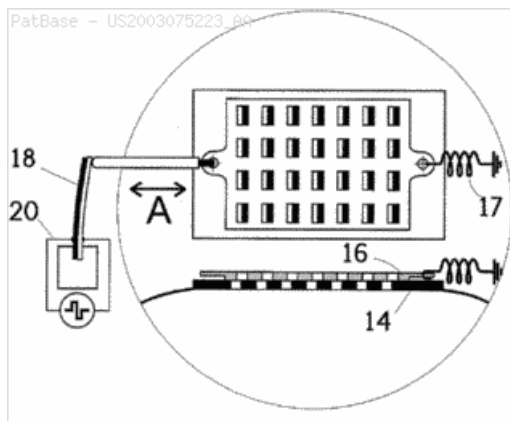
Abstract: Discharge valve for an airbag including a fixed member adapted to be arranged in connection with or associated with the airbag and having a pattern of openings and a movable member having a pattern of openings substantially identical to the pattern of openings of the fixed member. The movable member is movable relative to and alongside the fixed member to vary the correspondence between the openings on the movable member and the openings in the fixed member to thereby vary valve openings defined by the fixed member and the movable member. Variation in the valve openings results in control and/or regulation of the outflow of gas from the airbag through the discharge valve. The members may be plates, cylinders or cones.

Classifications:

International (IPC 8-9): B60C11/24 B60C23/00 B60C23/04 B60K28/00 B60K28/02 B60K28/14 B60L1/00 B60N2/02 B60N2/28 B60Q1/00 B60R21/01 B60R21/0136 B60R21/015 B60R21/016 B60R21/16 B60R21/20 B60R21/205 B60R21/213 B60R21/23 B60R21/232 B60R21/233 B60R21/235 B60R21/239 B60R21/26 B60R21/276 B60R21/30 B60R21/33 B60R22/00 B60R25/10 B62D1/11 E05F15/00 G01G19/10 G01G19/52 G01H11/00 G01M17/00 G01M17/02 G05D27/00 G06F17/00 G06F19/00 G06F7/00 G06K9/00 G07C5/00 G07C5/08 G08B21/00 G08C19/00 G09G5/00 H01H13/70 H01L43/06 H02B1/24 H03K17/97 H03K17/975 H04Q5/22 (Advanced/Invention); B60R21/00 B60R21/01 B60R21/013 B60R21/0132 B60R21/0134 B60R21/21 (Advanced/Non-invention); B60C23/00 B60K28/00 B60K28/10 B60L1/00 B60N2/02 B60R21/01 B60R21/015 B60R21/16 B60R21/20 B60R21/23 B60R21/26 B60R21/33 B60R22/00 B60R25/10 E05F15/00 G01G19/08 G01G19/52 G01H11/00 G01M17/00 G01M17/02 G05D27/00 G06F17/00 G06F19/00 G06F7/00 G06K9/00 G08B21/00 G08C19/00 G09G5/00 H01H13/70 H02B1/00 H03K17/94 (Core/Invention); B60R21/01 (Core/Non-invention)

International (IPC 1-7): F16K3/00

CPC: G06F17/5018 G06F17/5095 B60W50/0205 B60W2420/52 B60W2420/54 B60R21/01 B60W40/08 B60W2040/0809 B60W2040/0818 B60W2040/0872 B60W2040/0881 B60W2050/143 B60W2050/146 B60C23/041 B60K28/066 B60R25/2081 B60R25/24 B60R2325/101 B60R2325/202 B60W2540/24 G08B21/04 B60R21/205 B60R2021/23324 B60R2021/23533 B60C23/0425 B60R2021/23161 B60R2021/23557 B60R2021/2358 B60R2021/2359 B60R21/2338 B60R2021/01211 B60R2021/23382 B60R2021/2395 G01S7/4052 G01S7/497 G01S15/523 B60N2/015 B60N2/0244 B60N2/0248 B60N2/0252 B60N2/067 B60N2/28 B60N2/2806 B60N2002/0268 B60N2002/0272 B60R16/037 B60R21/203 B60R21/21656 B60R22/20 B60R22/201 B60R25/25 B60R2001/1223 B60R2001/1253 B60R2021/0027 B60R2021/26094 B60R2022/208 B60R2022/288 B60R2022/4685 E05Y2900/55 G01S7/417 G01S7/4802 G01S7/539 G01S13/04 G01S15/04 G01S15/06 G01S15/87 G01S15/88 G01S17/88 G01S17/89 G06K9/00362 G10K2210/1282 G10K2210/3219 B60R21/01536 B60R21/01542 B60R21/01558 B60R21/01548 B60R21/01554 B60R2022/4825 B60N2/028 B60Q1/1423 B60J10/00 B60R19/483 B60R21/21 B60R21/33 B62D21/15 H01H35/146 H04Q9/00 B60R2021/01302 B60R2022/4816 B60R2022/4841 B60R2022/4858 B60R21/01534 B60R2021/01225 B60R21/01552 G01S7/52006 B60R21/01538 B60R21/01526 G06K9/00369 B60R21/0153



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Family:

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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT ; BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C

Assignee(s): AUTOMOTIVE TECHNOLOGIES INTIONAL ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC ; ATI 2 ; ATI 295

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Agent(s): BRIAN ROFFE ESQ; ROFFE BRIAN; BRIAN

49) Family number: 32305376 (US2001052427A)

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Title: THREE DIMENSIONAL STEERABLE SYSTEM

Abstract: The steering assembly includes upper and lower tubular housings connected by a universal joint. An angle cam is disposed on the end of the lower housing and projects into the upper housing. A plurality of wedge members extend axially from the upper housing and into engagement with the angle cam. Drive trains are connected to the wedge members to move the wedge members toward and away from the angle cam so as to pivot the lower housing at the universal joint and change the angle and azimuth of the lower housing with respect to the upper housing. The lower housing is connected to a bearing pack supporting a drill bit such that upon changing the angle and azimuth of the lower housing, the direction of the drilling of

the drill bit is also changed. The steering assembly being connected to composite tubing having conductors in the wall thereof for conducting data and commands between the steering assembly and a processor at the surface and for providing power to the steering assembly. Data on the position of the bit is transmitted to a processor which determines the direction of drilling and selectively transmits commands to the steering assembly to change the bend angle and direction of the drilling of the bit.

Classifications:

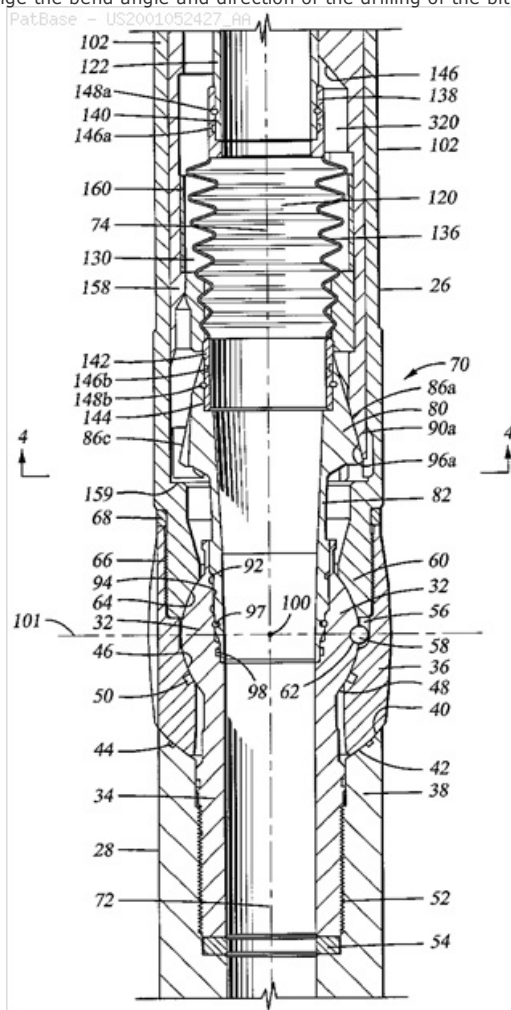
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International (IPC 1-7): E05B63/20 E21B0/00 E21B10/62 E21B17/00 E21B17/01 E21B17/02 E21B17/042 E21B17/046 E21B17/20 E21B19/07 E21B19/08 E21B19/16 E21B19/22 E21B23/00 E21B29/00 E21B29/06 E21B3/00 E21B4/00 E21B4/02 E21B4/04 E21B4/16 E21B4/18 E21B44/00 E21B47/00 E21B47/01 E21B47/02 E21B47/12 E21B49/08 E21B7/00 E21B7/04 E21B7/06 E21B7/08 E21B7/10 E21B7/20 F16D1/02 F16L11/127 F16L25/00 F16L25/01 F16L35/00 G01V3/30 H01R13/28 H01R13/62

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Family:

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Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; DEETH WILLIAMS WALL LLP; EMERY JAMIESON LLP; PARLEE MCLAWS LLP; CURTIS PHILIP ANTHONY; BENNETT ADRIAN ROBERT J; CONLEY ROSE PC; CONLEY ROSE P C
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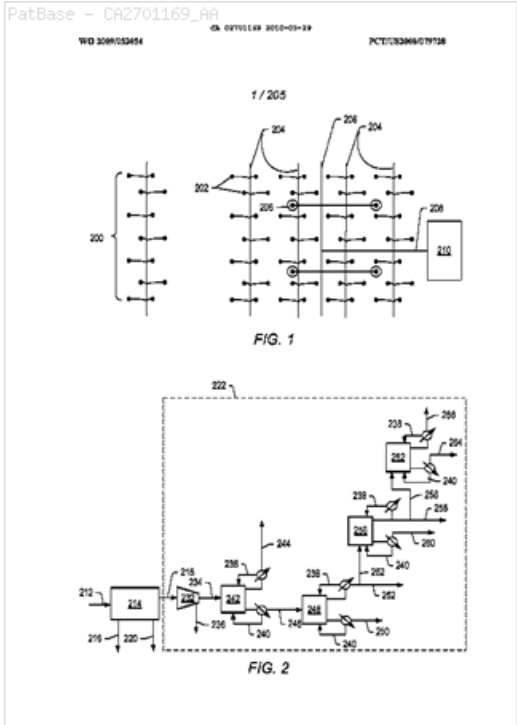
50) Family number: 44921378 (GB2465911A) © PatBase

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



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

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Abstract: Arrangement and method for obtaining information about a vehicle occupant in a compartment of the vehicle in which a light source is mounted in the vehicle, structured light is projected into an area of interest in the compartment, rays of light forming the structured light originating from the light source, reflected light is detected at an image sensor at a position different than the position from which the structured light is projected, and the reflected light is analyzed relative to the projected structured light to obtain information about the area of interest. The structured light is designed to appear as if it comes from a source of light (virtual or actual) which is at a position different than the position of the image sensor.

Classifications:

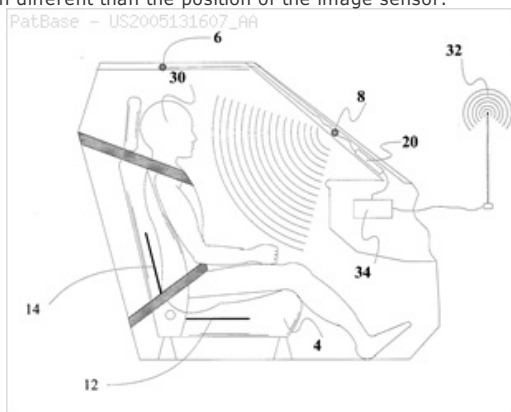
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International (ipc 1-7): G06F7/00

CPC: B60N2002/0272 B60N2/0232 B60N2/0244 B60N2/0276 B60N2/28 B60N2/2806 B60N2/2863 B60N2002/0268 B60R21/013 B60R21/0134 B60R25/25 B60R25/252 B60R25/255 B60R25/257 B60R2022/208 G06K9/00362 B60R21/01538 B60N2/002 B60R21/01516 B60R21/0152 B60R21/0153 B60R21/01534 B60R21/01536 B60R21/01542 G01S7/417 G01S7/4802 G01S7/539 G01S13/04 G01S15/04 G01S15/06 G01S15/87 G01S15/88 G01S17/88 G01S17/89 G06K9/00624 G06K9/00832

European: B60N2/00C B60N2/02B4 B60N2/02B6 B60N2/02B6W B60N2/28 B60N2/28B2 B60N2/28P4 B60Q1/14C1B B60R21/013 B60R21/015 B60R25/25 B60R25/25B B60R25/25D B60R25/25F G01S15/87 G01S15/88 G01S17/88 G01S7/41D G01S7/48A G01S7/539 G06K9/00H G06K9/00V G06K9/00V7 L60N2/02B6S L60Q300/410 L60Q300/420 L60R21/0134 L60R21/015G6D L60R21/015G6F L60R21/015G6H L60R21/01H3Y L60R22/20R S01S13/04 S01S15/04 S01S15/06 S01S17/89

US: 250/221 250/221P 250/578.1 348/243 367/137 382/103 701/45 701/45P



Family:

Publication number	Publication date	Application number	Application date
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US2006208169 AA	20060921	US20040931288	20040831
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Priority:

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Inventor(s): DUVALL WILBUR ; JOHNSON WENDELL ; BREED DAVID

Agent(s): BRIAN ROFFE ESQ; BRIAN

53) Family number: 33357411 (US2005192727A)

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Title: SENSOR ASSEMBLIES

Abstract: Sensor assembly capable of obtaining and providing a measurement of a physical quantity, e.g., measurement of temperature and/or pressure of a vehicular tire, includes an antenna capable of receiving a radio frequency signal, a radio frequency identification (RFID) device coupled to the antenna, a sensor coupled to the RFID device arranged to generate a measurement of the physical quantity or quantities, and a switch coupled to the RFID device and arranged to connect or disconnect the sensor from a circuit with the antenna dependent on whether the antenna receives a particular signal associated with the RFID device. When the antenna receives the particular signal associated with the RFID device, the RFID device causes the switch to close and connect the sensor in the circuit with the antenna to enable the measurement generated by the sensor to be directed to and transmitted by the antenna.

Classifications:

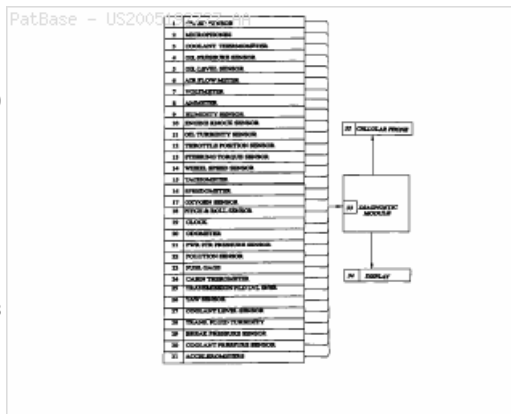
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B60R21/00 G02B27/00 (Advanced/Non-invention);
B60C11/24 B60C19/00 B60C23/02 B60C23/06 B60J10/00 B60N2/00
B60R21/01 B60R21/16 B60R21/20 B60R21/23 B60R21/30 G01F23/00
G01F23/22 G01F23/296 G01F23/30 G02B27/01 G07C5/00
H01Q1/22 (Core/Invention);
B60R21/00 G02B27/00 (Core/Non-invention)

International (IPC 1-7): G06F7/00

CPC: B60N2002/0272 B60R21/0136 B60C11/24 B60C19/00
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B60R2021/2359 G02B27/01 G02B2027/014 G02B2027/0187
G06K7/10178 G07C5/008 G07C5/0808 H01Q1/2241

European: B60C11/24 B60C19/00 B60C23/04C3 B60C23/04C3A
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L60R21/235S6 S02B27/01A11 S02B27/01D4
US: 701/1 701/1S 701/37 701/37P



Family:

Publication number	Publication date	Application number	Application date
US2005192727 AA	20050901	US20050120065	20050502

Priority:

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US20030642028	20030815	US20030658750	20030909	US20030701361	20031104
US20040592838P	20040730	US20050039129	20050119	US20050082739	20050317
US20050120065	20050502				

Probable Assignee: AUTOMOTIVE TECHNOLOGIES INT INC

Assignee(s): (std): AUTOMOTIVE TECH INT

Assignee(s): AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC

Inventor(s): (std): SHOSTAK OLEKSANDR T ; KOLOMEYKO ANATOLIY V ; BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C

Inventor(s): DUVALL WILBUR ; BREED DAVID ; SHOSTAK OLEKSANDR ; KOLOMEYKO ANATOLIY ; JOHNSON WENDELL

Agent(s): BRIAN ROFFE ESQ

54) Family number: 33357417 (US2005273218A)

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Title: SYSTEM FOR OBTAINING VEHICULAR INFORMATION

Abstract: System for obtaining information about a vehicle or a component therein includes sensors arranged to generate and transmit a signal upon receipt and detection of a radio frequency (RF) signal and a multi-element, switchable directional antenna array. Each antenna element is directed toward a respective sensor and transmitter RF signals toward that sensor and receive return signals therefrom. A control mechanism controls transmission of the RF signals from the antenna elements, e.g., causes the antenna elements to be alternately switched on in order to sequentially transmit the RF signals and receive the return signals from the sensors or cause the antenna elements to transmit the RF signals simultaneously and space the return signals from the sensors via a delay line in circuitry from each antenna element such that each return signal is spaced in time in a known manner without requiring switching of the antenna elements.

Classifications:

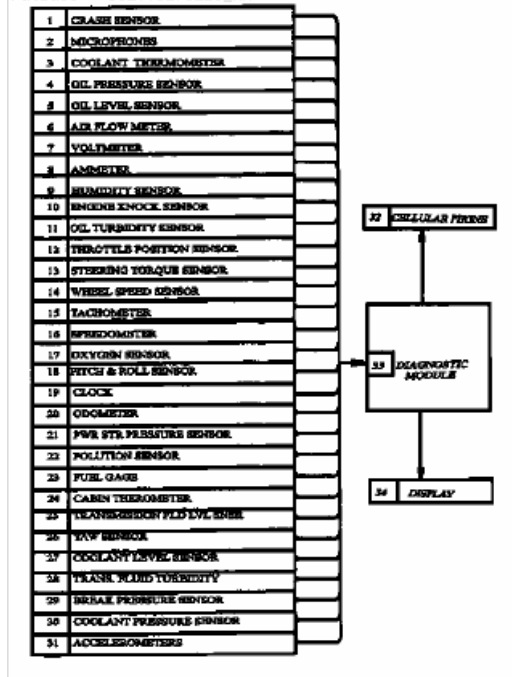
International (IPC 8-9): G01M17/00 G05D1/00
G06F7/00 (Advanced/Invention)

International (IPC 1-7): G05D1/00 G06F7/00

CPC: B60N2002/0272 G07C5/008 B60C11/24 B60C11/246
B60C19/00 B60C23/0449 B60N2/0232 B60N2/0276 B60N2/2863
B60R21/20 B60R21/213 B60R21/232 B60R21/233 B60R21/235
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G02B27/01 G02B2027/014 G02B2027/0187 G06K7/10178
G07C5/0808 G07C5/085

European: B60C11/24 B60C19/00 B60C23/04C6D2B B60N2/02B4
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L60R21/235M5 L60R21/235P6 L60R21/235S4 L60R21/235S6
S02B27/01A11 S02B27/01D4

US: 340/442 340/447 342/158 342/359 342/70 342/75 342/77
343/712 701/2 701/29 701/29S 701/2P 701/33.6 701/33.600S
701/34.4 73/146.3

**Family:**

Publication number	Publication date	Application number	Application date
US2005273218 AA	20051208	US20050082739	20050317
US7421321 BB	20080902	US20050082739	20050317

Priority:

US19950476077	19950607	US19950550217	19951030	US19950571247	19951212
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US20020043557	20020111	US20020079065	20020219	US20020174709	20020619
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US20030638743	20030811	US20030642028	20030815	US20030701361	20031104
US20040592838P	20040730	US20050039129	20050119	US20050082739	20050317

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC**Assignee(s):** (std): AUTOMOTIVE TECH INT**Assignee(s):** AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC**Inventor(s):** (std): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C**Inventor(s):** JOHNSON WENDELL ; DUVALL WILBUR ; BREED DAVID**Agent(s):** BRIAN ROFFE ESQ; ROFFE BRIAN; BRIAN**55) Family number: 33357419 (US2006025897A)**

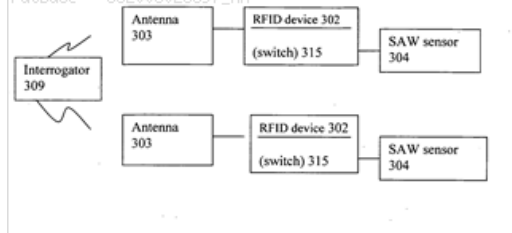
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Title: SENSOR ASSEMBLIES

Abstract: Sensor assembly capable of obtaining and providing a measurement of a physical quantity, e.g., measurement of temperature and/or pressure of a vehicular tire, includes an antenna capable of receiving a radio frequency signal, a radio frequency identification (RFID) device coupled to the antenna, a sensor coupled to the RFID device arranged to generate a measurement of the physical quantity or quantities, and a switch coupled to the RFID device and arranged to connect or disconnect the sensor from a circuit with the antenna dependent on whether the antenna receives a particular signal associated with the RFID device. When the antenna receives the particular signal associated with the RFID device, the RFID device causes the switch to close and connect the sensor in the circuit with the antenna to enable the measurement generated by the sensor to be directed to and transmitted by the antenna.

Classifications:**International (IPC 8-9):** G06F17/00 G06F7/00 (Advanced/Invention); G06F17/00 (Core/Invention)**CPC:** B60C23/005 B60C23/0408 B60C23/20 B60R21/013 B60R2021/01088 B60R2021/01184 G06K19/0717 G08G1/017 G08G1/164**European:** B60C23/00D B60C23/04C B60C23/20 B60R21/013 G06K19/07E2 G08G1/017 G08G1/16B L60R21/01L6A L60R21/01N3
US: 701/1 701/1P 701/29.6 701/32 701/33 701/34.3 701/36 701/37 701/37S

PatBase - US2006025897_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2006025897 AA	20060202	US20050208869	20050822
US7089099 BB	20060808	US20050208869	20050822

Priority:

US20040592838P 20040730

US20050120065 20050502

US20050208869 20050822

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC**Assignee(s):** (std): BREED DAVID S ; DUVALL WILBUR E ; SHOSTAK OLEKSANDR T ; KOLOMEYKO ANATOLIY V ; JOHNSON WENDELL C ; AUTOMOTIVE TECH INT**Assignee(s):** AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC**Inventor(s):** (std): SHOSTAK OLEKSANDR T ; KOLOMEYKO ANATOLIY V ; BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C**Inventor(s):** KOLOMEYKO ANATOLIY ; BREED DAVID ; SHOSTAK OLEKSANDR ; JOHNSON WENDELL ; DUVALL WILBUR**Agent(s):** BRIAN ROFFE ESQ; BRIAN**56) Family number: 30110452** (US2002095073A)

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Title: CLINICALLY INTELLIGENT DIAGNOSTIC DEVICES AND MEHTODS

Abstract: The invention relates to the clinically intelligent design of diagnostic devices (such as microarrays) and methods of making and using such devices in differential diagnoses of specific clinical symptoms or sets of symptoms. In one aspect, the devices include various probes used to perform parallel screening of a number of analytes. The probes are clustered on the devices based on known clinical presentations of symptoms associated with specific diseases and disorders.

Classifications:

International (ipc 8-9): B01F13/00 B01F13/08 B01J19/00 B01L3/00 B81B1/00 B82Y30/00 C12M1/00 C12M1/34 C12N15/09 C12Q1/68 C12Q1/70 C40B30/04 G01N33/15 G01N33/50 G01N33/53 G01N33/543 G01N33/545 G01N33/547 G01N33/551 G01N33/552 G01N33/553 G01N33/569 G01N33/68 G01N37/00 (Advanced/Invention); C40B40/06 C40B40/10 C40B40/12 C40B40/18 C40B60/14 C40B70/00 (Advanced/Non-invention)

International (ipc 1-7): A61B5/00 C12Q1/00 C12Q1/68 C12Q1/70 G01N33/15 G01N33/50 G01N33/53 G01N33/543 G01N33/545 G01N33/547 G01N33/551 G01N33/552 G01N33/553 G01N33/569 G01N37/00

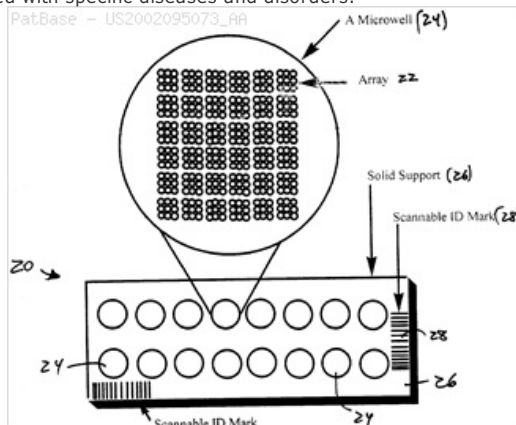
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European: B01F13/00M B01F13/00M6F B01F13/08B B01J19/00C B01L3/5027 B01L3/5027D B01L3/5085 B01L3/50857 B01L3/563 B82Y30/00 C12Q1/68B10A G01N33/53 G01N33/543 G01N33/543K G01N33/68A G01N33/68A10 L01F13/08 L01J219/00C10B L01J219/00C10B16 L01J219/00C10B2 L01J219/00C10B4 L01J219/00C10B8 L01J219/00C10D L01J219/00C2B4D2 L01J219/00C2B4D2B L01J219/00C2J2 L01J219/00C2L L01J219/00C2L4D L01J219/00C2L6 L01J219/00C2L8 L01J219/00C2N6 L01J219/00C4B L01J219/00C4H L01J219/00C4L12 L01J219/00C4L12B L01J219/00C4L14 L01J219/00C4L2 L01J219/00C4L24 L01J219/00C4L2D L01J219/00C4L2F L01J219/00C4L2H2H L01J219/00C4L2H4 L01J219/00C4L2J2 L01J219/00C4L2J6 L01J219/00C4L2L4 L01J219/00C4L3D L01J219/00C6F2 L01J219/00C6P L01L300/02A L01L300/06B2 L01L300/06E L01L300/08B6 L01L300/08E2 L82T201/01 M40B40/06 M40B40/10 M40B40/12 M40B40/18 M40B60/14 M40B70/00

US: 435/287.2 435/287.200S 435/5 435/6 435/6.11 435/6.110P 435/6.12 435/6P 435/7.1 435/7.100S 506/9 506/9P 600/300 600/300P 977/849 977/849S

Family:

Publication number	Publication date	Application number	Application date
AU2002230523 AA	20020603	AU20020230523	20011127
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CA2764288 AA	20020530	CA20012764288	20011127
DE60141171 D1	20100311	DE20016041171	20011127
EP1397679 A2	20040317	EP20010990761	20011127
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EP2202520 A1	20100630	EP20100000480	20011127
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US2005191694 AA	20050901	US20050102498	20050408
US2006240453 AA	20061026	US20060371332	20060308
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US2011312531 AA	20111222	US20110181903	20110713
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US7998679 BB	20110816	US20090614895	20091109
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WO0242775 A2	20020530	WO2001US44868	20011127
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WO03012390 A2	20030213	WO2002US23625	20020726
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Priority:

US20000253284	20001127	US20000253284P	20001127	US20010287994	20010501
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Probable Assignee: INTELLIGENT MEDICAL DEVICES INC

Assignee(s): (std): GUPTA VINEET ; INTELLIGENT MEDICAL DEVICES L ; JACOBS ALICE A ; INTELLIGENT MEDICAL DEVICES LL ; INTELLIGENT MEDICAL DEVICES IN ; INTELLIGENT MEDICAL DEVICES INC ; INTELLIGENT MEDICAL DEVICES L L C ; GENEVENTION L L C ; INTELLIGENT MED DEVICES INC ; NIKOLIC BORIS ; JACOBS ALICE ANNE

Assignee(s): GENEVENTION LLC ; GENEVENTION LLC SUITE ; INTELLIGENT MEDICAL DEVICES INC A DELAWARE CORP ; INTELLIGENT MEDICAL DEVICES LLC

Inventor(s): (std): JACOBS ALICE ANNE ; NIKOLIC BORIS ; GUPTA VINEET ; JACOBS ALICE A

Inventor(s): ALICE ANNE JACOBS ; BORIS NIKOLIC ; VINEET GUPTA ; ALICE A JACOBS ; JACOBS ALICE

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; BOHMANN ARMIN K; KANAYAMA MASATAKA; TSUBOKURA MICHIAKI; OSAKI KATSUMASA; KAWAGUCHI YOSHIO; ONO MAKOTO; FISH AND RICHARDSON PC; SULLIVAN AND WORCESTER LLP; INTELLIGENT MEDICAL DEVICES INC C O FOLEY AND LARDNER LLP; FOLEY AND LARDNER LLP; MICHEL; MICHAEL; JAMES F

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

57) Family number: 67136454 (US2017285200A)

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Title: LOADING A HELICAL CONVEYOR FOR UNDERWATER SEISMIC EXPLORATION

Abstract: The present disclosure is directed to loading a helical conveyor for underwater seismic exploration. The system includes a case and a first conveyor having a helix structure provided within the case to support one or more ocean bottom seismometer ("OBS") units. The case can include a first opening at a first end of the first conveyor and a second opening at a second end of the first conveyor. The system can include a base to receive at least a portion of the case. The system can include a second conveyor positioned external to the case that can move an OBS unit into the first opening at the first end of the first conveyor. The first conveyor can receive the OBS unit and direct the OBS unit towards the second opening at the second end of the first conveyor.

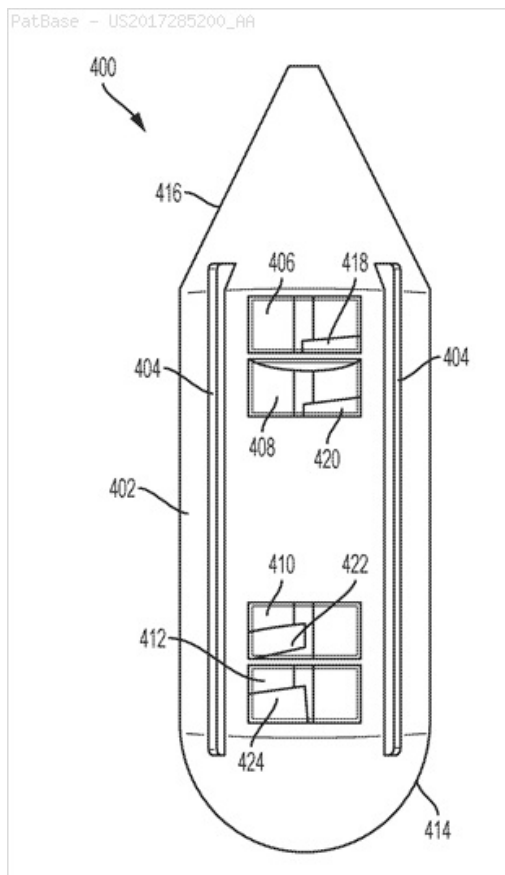
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International (IPC 1-7): F16L1/00

CPC: G01V1/3852 G01V2210/1427 B65G33/02 B65G67/603 G01V1/3808

US: 1/1 405/158



Family:

Publication number	Publication date	Application number	Application date
BR112018069650 A2	20190205	BR20181169650	20170330
CN109716003 A	20190503	CN201780033479	20170330
EP3436728 A1	20190206	EP20170776713	20170330
EP3436728 A4	20191106	EP20170776713	20170330
US2017285200 AA	20171005	US20160088049	20160331
US2018045842 AA	20180215	US20170790779	20171023

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WO17173173 A1	20171005	WO2017US25190	20170330

Priority:

US20160088049 20160331 WO2017US25190 20170330 US20170790779 20171023

Probable Assignee: MAGSEIS FF LLC

Assignee(s): (std): FAIRFIELD IND INC ; MAGSEIS FF LLC

Assignee(s): DNB BANK ASA AGENT AS ; FAIRFIELD SEISMIC TECHNOLOGIES LLC

Inventor(s): (std): FYFFE ROGER L ; MARC ETIENNE

Agent(s): MODIANO GABRIELLA DIANA; FOLEY AND LARDNER LLP; JAMES; DE VELLIS JAMES; DE VELLIS JAMES ET AL

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 KH KM KN KP KR KW 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

58) Family number: 49121454 (US2011148218A)

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Title: WIRELESS POWERED ELECTROCHROMIC WINDOWS

Abstract: Electrochromic windows powered by wireless power transmission are described, particularly, the combination of low-defectivity, highly-reliable solid state electrochromic windows with wireless power transmission. Wireless power transmission networks which incorporate electrochromic windows are described.

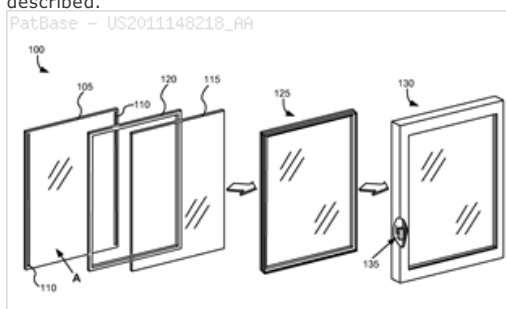
Classifications:

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CPC: G02F1/161 Y02B80/50 H02J50/10 H02J50/12 H02J50/20 H02J50/50 G02F2203/01 G06F3/04847 G02F1/15 Y02A30/257 G05B19/042 H04L12/4625 G02F1/153 G02B26/00 G02F1/0121 G02F1/167 H02J5/005 H02J7/025 H02J50/30 E06B2009/2405 E06B7/28 G02F1/13318 H04L12/2803 E06B2009/247 H02M3/158 G06F9/06 G06Q10/06 Y02P90/84 G05B13/0265 E06B2009/2417 G05B23/02 G05B15/02 G05B2219/2614 G05B2219/2628 G05B2219/2642 G06Q50/10 G06F9/54 G06F17/00 G06F3/04815 H04L12/2809 H04L12/282 H04L12/00 G08C17/02 G08C23/04 G08C2201/40 G08C2201/93 H04Q9/00 G10L15/22 G06F3/16 G01W1/06 E06B3/6715 E06B9/68 G01J1/0271 G01J1/0407 G01J1/4228 G01J5/10 G01W1/12 H02J7/0042 H02J50/90 E06B3/6722 E06B9/24 E06B2009/2464 G02F1/163 G06F3/04883 G06F3/04886 G06F3/167 G06F21/32 G06F2203/0381 G10L15/26 G10L2015/223 G06F3/00 G06F3/01 G06F3/005 G06F3/011 G06F3/017 H04L12/2816 H04L12/2832 H04L2012/2843 H04L2012/285

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US: 1/1 29/428 307/104 307/104P 340/12.5 340/6.1 345/105 348/817 359/238 359/265 359/275 359/275S 700/275 700/276 700/90 702/122 719/318



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Inventor(s): F CADET, RONALD F. ; A PRADHAN, ANSHU A. ; C BROWN,STEPHEN C. ; DHAIRYA SHRIVASTAVA ; TODD MARQUES ; SHRIVASTAVA DHAIRYA LOS ALTOS ; MARQUES TODD PLEASANTON ; BROWN STEPHEN C SAN MATEO ; BRAUN STEFEN K ; SHRIVASTAVA DHAIRYAA ; KADET RONALD F ; C BROWN, STEPHEN C.

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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 JO JP KE KG KH KM KN KP KR KW 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

59) Family number: 67136455 (US2017285201A)

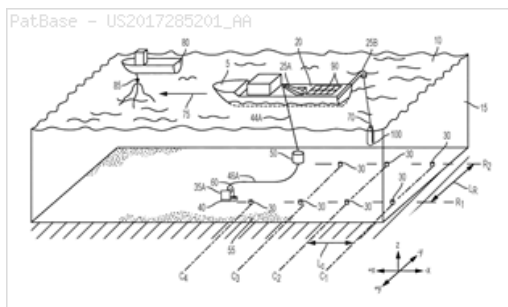
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Title: UNDERWATER SEISMIC EXPLORATION WITH A HELICAL CONVEYOR AND SKID STRUCTURE

Abstract: The present disclosure is directed to underwater seismic exploration with a helical conveyor and skid structure. The system can include an underwater vehicle comprising a sensor to identify a case having a hydrodynamic shape, wherein the case stores one or more ocean bottom seismometer ("OBS") units. The underwater vehicle includes an arm. The underwater vehicle includes an actuator to position the arm in an open state above a cap of the case, or to close the arm. The underwater vehicle can move the arm to a bottom portion of the case opposite the cap. An opening of the case can be aligned with the conveyor of the underwater vehicle. The conveyor can receive, via the opening of the case, a first OBS unit of the one or more OBS units. The conveyor can move the first OBS unit to the seabed to acquire seismic data from the seabed.

Classifications:

International (IPC 8-9): B63C11/48 B63C11/52 B63G8/00 B65G11/06 B65G33/14 B65G33/26 G01V1/38 (Advanced/Invention)
International (IPC 1-7): B63C11/48 B63C11/52 G01V1/38
CPC: B63C11/52 B63G8/001 B63G2008/004 B63G2008/005 G01V1/3808 G01V1/3817 G01V1/3852 G01V2210/1427 B65G11/063 B65G33/14 B65G33/26
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Publication number	Publication date	Application number	Application date
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EP3436344 A1	20190206	EP20170776712	20170330
US2017285201 AA	20171005	US20160088054	20160331
US2019025449 AA	20190124	US20180139873	20180924
US10114137 BB	20181030	US20160088054	20160331
WO17173172 A1	20171005	WO2017US25189	20170330

Priority:

US20160088054 20160331 WO2017US25189 20170330 US20180139873 20180924

Probable Assignee: FAIRFIELD IND INC

Assignee(s): (std): FAIRFIELD IND INC

Assignee(s): FAIRFIELD SEISMIC TECHNOLOGIES LLC ; MAGSEIS FF LLC ; DNB BANK ASA AGENT AS

Inventor(s): (std): FYFFE ROGER L ; MARC ETIENNE

Agent(s): MODIANO GABRIELLA DIANA; FOLEY AND LARDNER LLP; DE VELLIS JAMES; DE VELLIS JAMES ET AL

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 KH KM KN KP KR KW 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

60) Family number: 67136456 (US2017285202A)

© PatBase

Title: SKID STRUCTURE FOR UNDERWATER SEISMIC EXPLORATION

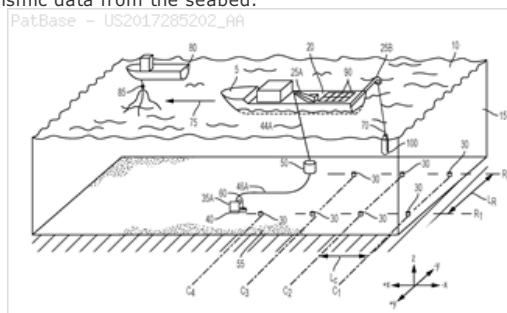
Abstract: The present disclosure is directed to a skid structure for underwater seismic exploration. The system can include an underwater vehicle comprising a skid structure. A conveyor is provided in the skid structure. The conveyor includes a first end and a second end opposite the first end. A capture appliance is provided at the first end of the conveyor. The capture appliance includes an arm to close to hold a case storing one or more ocean bottom seismometer ("OBS") units, and to open to release the case. The capture appliance includes an alignment mechanism to align an opening of the case with the first end of the conveyor. A deployment appliance can be at the second end of the conveyor. The deployment appliance can place an OBS unit of the one or more OBS units onto the seabed to acquire seismic data from the seabed.

Classifications:

International (IPC 8-9): B63B27/00 B63G8/00 B65G67/08 G01V1/16 G01V1/38 (Advanced/Invention)

CPC: B63G8/001 B63G2008/004 B63G2008/005 G01V1/3808 G01V1/3817 G01V1/3852 G01V2210/1427

US: 1/1 367/15

**Family:**

Publication number	Publication date	Application number	Application date
BR112017026503 A2	20180814	BR20171126503	20170330
CA2987799 AA	20171129	CA20172987799	20170330
CA2987799 C	20180925	CA20172987799	20170330
CN108139500 A	20180608	CN201780002594	20170330
EP3314309 A1	20180502	EP20170776714	20170330
EP3314309 A4	20181107	EP20170776714	20170330
ID201810170 A	20180921	ID2017PID08812	20170330
MX2017015858 A1	20180606	MX20170015858	20170330
US2017285202 AA	20171005	US20160088058	20160331
US2018321409 AA	20181108	US20180030299	20180709
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WO17173174 A1	20171005	WO2017US25191	20170330

Priority:

US20160088058 20160331 WO2017US25191 20170330 US20180030299 20180709

Probable Assignee: MAGSEIS FF LLC

Assignee(s): (std): FAIRFIELD IND INC

Assignee(s): FAIRFIELD SEISMIC TECHNOLOGIES LLC ; FYFFE ROGER L ; MARC ETIENNE ; MAGSEIS FF LLC ; DNB BANK ASA AGENT AS

Inventor(s): (std): ETIENNE MARC ; ROGER L FYFFE ; MARC ETIENNE ; FYFFE ROGER L

Agent(s): FINLAYSON AND SINGLEHURST; MODIANO MICAELA NADIA; MAROLITA SETIATI; FOLEY AND LARDNER LLP; JAMES; DE VELLIS JAMES ET AL

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 KH KM KN KP KR KW 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: METHOD AND APPARATUS FOR PROVIDING INPUT TO A PROCESSOR, AND A SENSOR PAD

Abstract: An apparatus for providing input to a processor includes a sensor pad having a surface and a sensor array for sensing pressure at the surface and producing signals corresponding to the pressure at the surface. The sensor array having columns and rows of electrodes that are covered with resistive material which fills in the spaces between the electrodes and acts as a linear resistor between the electrodes and measures pressure on the pad surface between the electrodes. The apparatus includes an interface in contact with the sensor pad and in communication with the sensor array which couples to the processor to communicate the signals to the processor. A method for providing input to a processor includes the steps of sensing pressure with a sensor pad having a surface and a sensor array for sensing the pressure at the surface. There is the step of producing signals corresponding to the pressure at the surface with the sensor array. The sensor array having columns and rows of electrodes that are covered with resistive material which fills in the spaces between the electrodes and acts as a linear resistor between the electrodes and measures pressure on the pad surface between the electrodes. There is the step of communicating the signals to the processor with an interface in contact with the sensor pad and in communication with the sensor array which couples to the processor.

Classifications:

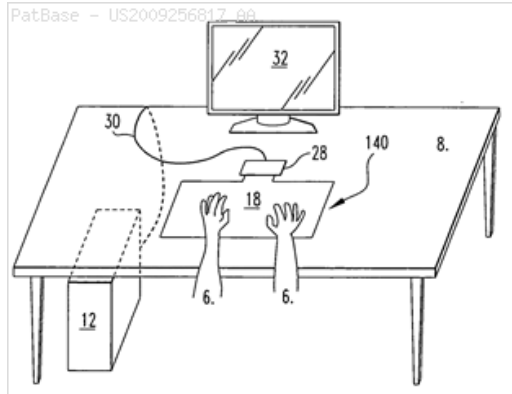
International (IPC 8-9): G01L5/00 G06F3/023 G06F3/041 G06F3/044 G06F3/045 G06F3/0488 G09G5/00 (Advanced/Invention); G06F3/0354 G06F3/0488 (Advanced/Non-invention); G06F3/041 (Core/Invention)

International (IPC 1-7): G06F3/045

CPC: G06F3/0414 G06F3/0233 G06F3/0237 G06F3/04883 G06F2203/04808 G06F3/044 G06F3/041 G06F3/045 G06F3/0412 G06F2203/04104 G06F2203/04106 G06F2203/04112 H03K17/962 G06F3/03545 G06F1/3262 G06F3/0416 G06F3/042 G06F3/046

European: G06F3/023M G06F3/023M8 G06F3/041F G06F3/0488G S06F203/04808

US: 178/18.05 178/18.05S 345/156 345/173 345/174 345/174P



Family:

Publication number	Publication date	Application number	Application date
CA2714534 AA	20090903	CA20092714534	20090226
CA2714534 C	20180320	CA20092714534	20090226
CN102007465 A	20110406	CN200980112564	20090226
CN102007465 B	20150520	CN200980112564	20090226
EP2247998 A2	20101110	EP20090713771	20090226
EP2247998 A4	20120815	EP20090713771	20090226
EP2247998 B1	20190410	EP20090713771	20090226
IN05996DN2010 A	20110325	IN2010DN05996	20100824
JP2011513830 T2	20110428	JP20100548721T	20090226
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US2009256817 AA	20091015	US20090380350	20090226
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US9785272 BA	20171010	US20100846368	20100729
US10180746 BA	20190115	US20100846428	20100729
WO09108334 A2	20090903	WO2009US01217	20090226
WO09108334 A3	20091230	WO2009US01217	20090226

Priority:

US20080067405	20080228	US20080067405P	20080228	US20080196508P	20081017
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US20090230592P	20090731	US20090263015P	20091120	US20100846497	20100729
US20100846368	20100729	US20100846428	20100729		

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): BEGUIN JULIEN G ; MOSCOVICH TOMER ; PERLIN KENNETH ; UNIV NEW YORK ; ROSENBERG ILYA ; ROSENBERG ILYA D ; PERLIN KENNETH H ; AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC ; NEW YORK UNIV ; NEW YORK UNIVERSITY

Inventor(s): (std): PERLIN KENNETH ; ROSENBERG ILYA ; KENNETH PERLIN ; ILYA ROSENBERG ; ROSENBERG ILYA D ; BEGUIN JULIEN G ; MOSCOVICH TOMER ; PERLIN KENNETH H

Agent(s): SMART AND BIGGAR; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER ANWALTSSOZIALTET; GRUENECKER PATENT U RECHTSANWALTE PARTG MBB; ANSEL M SCHWARTZ ATTORNEY AT LAW; LEE AND HAYES PLLC; LEE AND HAYES PC; SCHWARTZ ANSEL M

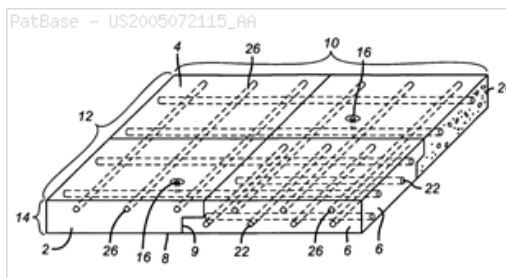
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Title: PREFORMED PORTABLE SLAB FOR USE AS A FOUNDATION OR SPLASH PAD FOR INDUSTRIAL EQUIPMENT

Abstract: A portable precast slab that provides a foundation for a variety of industrial equipment that can be placed at locations where permanent foundations cannot be installed, or where an immediately usable foundation is needed. The slab is preferably about 4"-24" in thickness, preferably at least about 6' in length, and preferably at least about 6' in width; multiple pieces may be used to form the slab. The slab may have attachment means incorporated in order to move the slab. If a bulk storage tank is placed upon the slab, preferably at least about 8 feet by about 8 feet area adjacent to the tank will be available for delivery of liquid cryogen. A method of making and using the slab is also contemplated, and the slab may also be used as a splash pad, and a pad for cryogenic pumps.

Classifications:

International (IPC 8-9): B65D90/00 B65D90/12 B65D90/22 B65D90/24 E02D27/01 E02D27/32 E02D27/38 E04B1/00 F17C13/08 (Advanced/Invention); B65D90/00 B65D90/12 B65D90/22 E02D27/01 E02D27/32 E04B1/00 F17C13/08 (Core/Invention)
International (IPC 1-7): B65D90/12 B65D90/24 E02D27/00 E02D27/38 E04C2/00 F17C13/08
CPC: B65D90/24 E02D27/01 E02D27/32 E02D27/38
European: B65D90/24 E02D27/01 E02D27/32 E02D27/38 Y02E60/32B
US: 52/294 52/294P 52/741.1 52/741.100P 52/782.1 52/782.100P



Family:

Publication number	Publication date	Application number	Application date
CA2539381 AA	20060317	CA20042539381	20040916
CN100548835 C	20091014	CN200480026925	20040916
CN1852847 A	20061025	CN200480026925	20040916
EP1675787 A1	20060705	EP20040769395	20040916
JP2007505794 T2	20070315	JP20060526727T	20040916
US2005072115 AA	20050407	US20040768945	20040130
US2005144866 AA	20050707	US20040941705	20040915
US2006248848 AA	20061109	US20060368173	20060303
WO05028340 A1	20050331	WO2004IB03014	20040916

Priority:

US20030503961P 20030919 US20040768945 20040130 US20040941705 20040915
WO2004IB03014 20040916 US20060368173 20060303

Probable Assignee: AIR LIQUIDE

Assignee(s): (std): AIR LIQUIDE ; CHAPPELL RALPH L ; TOWLES CHRISTOPHER V

Assignee(s): L AIR LIQUIDE SOC ANONYME A DIRECTOIRE ET CONS ; L AIR LIQUIDE SOCIETE ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE PO UR ; L AIR LIQUIDE SOCIETE ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L ETUDE ET L EXPLOITATION DES PROCEDES G CLAUDE ; L AIR LIQUIDE SOCIETE ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L ETUDE ET L EXPLOITATION DES PROCEDES GEORGES CLAUDE ; L AIR LIQUIDE SOC ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE PO UR L ETUDE ET L EXPLOITATION DES PROCEDES GEORGES CLAUDE ; L AIR LIQUIDE SOC ANONYME POUR L ETUDE ET L EXPLOITATION DES PROCED ES GEORGES CLAUDE ; L AIR LIQUIDE SOC ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L ETUDE ET L EXPLOITATION DES PROCEDES G CLAUDE ; L AIR LIQUIDE SOC ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE PO UR ; L AIR LIQUIDE SOC ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L ETUDE ET L EXPLOITATION DES PROCEDES GEORGES CLAUDE ; TOWLES CHRISTOPHER VINCENT ; CHAPPELL RALPH LOUIS ; L AIR LIQUIDE SOC ANONYME A DIRECTOIRE ; L AIR LIQUIDE SOC ANONYME A DIRECTOIRE ET CONSEIL ; AIR LIQUIDE AMERICA LP ; AIR LIQUIDE IC LLC ; AIR LIQUIDE INDUSTRIAL US LP

Inventor(s): (std): CHAPPELL RALPH LOUIS ; TOWLES CHRISTOPHER VINCENT ; CHAPPELL RALPH L ; TOWLES CHRISTOPHER V ; VINCENT CHAPPELL RALPH LOUIS T ; VINCENT TOWLES CHRISTOPHER ; LOUIS CHAPPELL RALPH

Inventor(s): CHAPPELL RALPH ; TOWLES CHRISTOPHER ; CHAPPELL RALPH LOUIS TOWLES CHRISTOPHER VINCENT

Agent(s): LEDGLEY CYNTHIA J; MATTHEWS FIRM; AIR LIQUIDE; LINDA K RUSSELL

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

63) Family number: 54261470 (US2014183957A)

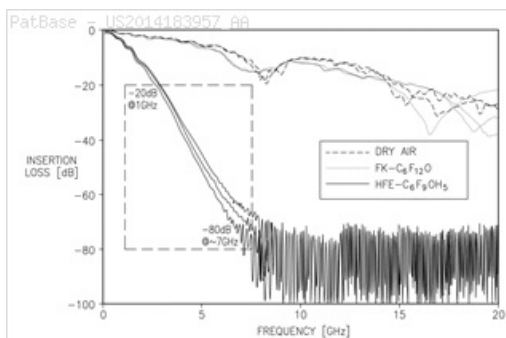
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Title: FRAME (FORCED RECUPERATION, AGGREGATION AND MOVEMENT OF EXERGY)

Abstract: The present invention is directed to an apparatus for more efficient exergy and power usage in data centers. Denominated FRAME (standing for "Forced Recuperation, Aggregation and Movement of Exergy"), the apparatus is a power production and exergy management system (exergy being energy available to do useful work, as opposed to energy, which can be changed to a form, usually heat, rendering it unavailable). The apparatus integrates generally isothermal operation with phase-change and single-phase liquid cooling having variable operating temperatures and pressures, aided by a dynamically reconfigurable "thermal bus" comprising multi-fluid thermal fluid transport channels, virtual plumbing, and associated support devices. The apparatus minimizes exergy use through efficient operation and by recuperating and aggregating useful exergy that may then be dynamically repurposed to meet energy or power needs that would otherwise have to be met via external means.

Classifications:

International (IPC 8-9): F01K13/00 F22B1/00 F28F13/00 G06F1/20 G06F19/00 H02J9/00 H04L29/06 H05K7/20 (Advanced/Invention)
CPC: H02J9/00 F01K13/006 F22B1/00 G06F1/206 H04L63/20 H05K7/20836 Y10T307/615 Y02D10/16
US: 307/64



Family:

PatBase PDF Export - Page: 67 19/11/2019

US2016233754 AA	20160811	US20160007940	20160127
US2016233809 AA	20160811	US20160008024	20160127
US2017066457 AA	20170309	US20160353181	20161116
US2017106879 AA	20170420	US20160386549	20161221
US2017146136 AA	20170525	US20170423231	20170202
US2017207735 AA	20170720	US20170478800	20170404
US2018022219 AA	20180125	US20170689860	20170829
US2019300301 AA	20191003	US20190438779	20190612
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US9533697 BB	20170103	US20160007718	20160127
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US10326386 BB	20190618	US20170478800	20170404
US10370204 BB	20190806	US20160007993	20160127
WO16126492 A1	20160811	WO2016US15206	20160127
WO16126494 A1	20160811	WO2016US15215	20160127
WO16126495 A1	20160811	WO2016US15220	20160127
WO16126496 A1	20160811	WO2016US15221	20160127
WO16126497 A1	20160811	WO2016US15224	20160127
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WO16126500 A1	20160811	WO2016US15228	20160127
WO16126501 A1	20160811	WO2016US15229	20160127
WO16126502 A1	20160811	WO2016US15231	20160127
WO16126503 A1	20160811	WO2016US15232	20160127
WO16126504 A1	20160811	WO2016US15234	20160127
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WO16126506 A1	20160811	WO2016US15238	20160127
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Priority:

US20150113511P	20150208	US20150232876P	20150925	US20150234226P	20150929
US20150235436P	20150930	US20150239050P	20151008	US20150240718P	20151013
US20150242562P	20151016	US20150243903P	20151020	US20150254368P	20151112
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US20160007883	20160127	US20160007783	20160127	US20160007822	20160127
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US20170689860	20170829	US20190438779	20190612		

Probable Assignee: HYPERLOOP TECHNOLOGIES INC

Assignee(s): (std): HYPERLOOP TECH INC ; HYPERLOOP TECHNOLOGIES INC

Assignee(s): VENTURE LENDING AND LEASING VIII INC ; VENTURE LENDING AND LEASING VII INC ; PENINSULAR AND ORIENTAL STEAM NAVIGATION CO ; BAMBROGAN BROGAN ; DP WORLD FZE ; GIEGEL JOSHUA

Inventor(s): (std): FINODEYEV FILIP ; O NEAL GEORGE ; BAMBROGAN BROGAN ; HOSSEINI KAVEH ; GIEGEL JOSHUA ; HANDMER CASEY ; COUTRE JAMES T ; DURDEN HELEN ; AVETIAN TADEH ; OKERSON RYAN ; COTHERN KYLE ; GAUNT MICHAEL ; RONACHER THOMAS ; SHAFRIR DANIEL ; LIANG JIAQI ; JETTI SANDHYA RANI ; DORRIS JAMES ; BAHRAMI NIMA ; DOYLE ANDREW ; BROGAN BAMBROGAN ; DEHAAN DAVID

Inventor(s): ONEAL GEORGE

Agent(s): DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; GILL JENNINGS AND EVERY LLP; OOO YURIDICHESKAYA GORODISSKIJ I PARTNERY FA; GREENBLUM AND BERNSTEIN PLC; TURK ARNOLD ET AL; MUELLER ROBERT W ET AL

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

65) Family number: 54513488 (US2013201316A)

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Title: SYSTEM AND METHOD FOR SERVER BASED CONTROL

Abstract: A system and method in a building or vehicle for an actuator operation in response to a sensor according to a control logic, the system comprising a router or a gateway communicating with a device associated with the sensor and a device associated with the actuator over in-building or in-vehicle networks, and an external Internet-connected control server associated with the control logic implementing a PID closed linear control loop and communicating with the router over external network for controlling the in-building or in-vehicle phenomenon. The sensor may be a microphone or a camera, and the system may include voice or image processing as part of the control logic. A redundancy is used by using multiple sensors or actuators, or by using multiple data paths over the building or vehicle internal or external communication. The networks may be wired or wireless, and may be BAN, PAN, LAN, WAN, or home networks.

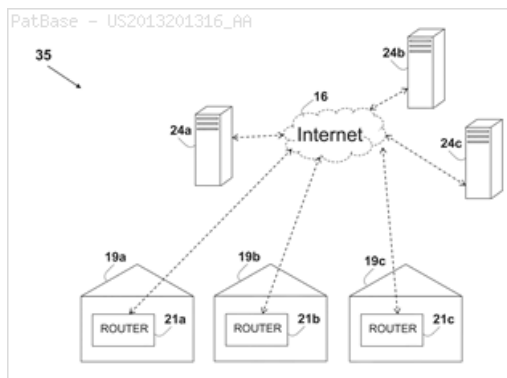
Classifications:

International (IPC 8-9): H04L29/08 (Advanced/Invention); B60K31/00 B60K31/18 G01C21/00 G07C5/00

G08G1/00 (Advanced/Non-invention)

CPC: G06Q2240/00 H04L67/12 Y04S40/18 B60K31/00 B60K31/18 B60Y2200/11 B60Y2200/12 B60Y2200/126 B60Y2200/13 B60Y2200/30 B60Y2200/40 B60Y2200/50 B60Y2200/90 G01C21/00 G07C5/008 G08G1/00

US: 1/1 348/143 348/77 370/276 700/22 700/28 701/2 701/31.4 701/48 709/218



Family:

Publication number	Publication date	Application number	Application date
US2013201316 AA	20130808	US20130733634	20130103
US2017078400 AA	20170316	US20160361434	20161127
US2017331899 AA	20171116	US20170657163	20170723
US2018034912 AA	20180201	US20170716881	20170927
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Priority:

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Probable Assignee:

MAY PATENTS LTD

Assignee(s): (std):

MAY PATENTS LTD

Inventor(s): (std):

BINDER YEHUDA ; MAYTAL BENJAMIN

66) Family number: 1027493 (US3699808A)

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Title: DYNAMIC TESTING DEVICE FOR VISCO-ELASTIC MATERIALS

Abstract: A testing device for obtaining dynamic properties of visco-elastic materials is adapted for testing in shear or compression. The device which imposes sinusoidal deformation upon the specimen permits testing over wide ranges of temperatures and frequencies. The displacement and force developed in the specimen are sensed by suitable transducers and with the aid of appropriate controls and instrumentation, the total or complex modulus of the material is found along with its "loss" or phase angle.

Classifications:

International (IPC 8-9): G01N3/38 (Advanced/Invention);

G01N3/32 (Core/Invention)

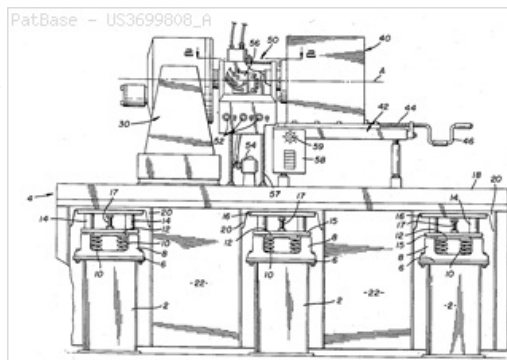
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European: G01N3/38 S01N203/00G3B S01N203/00P8V

S01N203/02C4 S01N203/02E1 S01N3/00G3B

US: 73/575 73/579 73/581 73/772 73/779 73/789



Family:

Publication number	Publication date	Application number	Application date
CA946177 A1	19740430	CA19720143913	19720605
DE2238879 A1	19730419	DE19722238879	19720807
DE2238879 B2	19790215	DE19722238879	19720807
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US3699808 A	19721024	US19710188920	19711013

Priority:

US19710188920 19711013

Probable Assignee:

Assignee(s): (std): GEN TIRE AND RUBBER CO

Assignee(s): GENERAL TIRE AND RUBBER CO ; GENERAL TIRE AND RUBBER CO AKRON OHIO V ST A ; GENERAL TIRE AND RUBBER CO THE ; GENERAL TIRE AND RUBBER COMPANY THE ; GENERAL TIRE RUBBER CO ; MEYER DANIEL A ; THE GENERAL TIRE AND RUBBER CO ; THE GENERAL TIRE AND RUBBER CO AKRON

OHIO V ST A ; WARNER WALTER C ; FORD BRYCE W

Inventor(s): (std): FORD BRYCE W ; FORD BRYCE WEBSTER ; MEYER DANIEL A ; MEYER DANIEL ARLAND ; OHIO V ST A
OS WOCHTE TEIL ; WARNER WALTER C ; WARNER WALTER CHARLES

Inventor(s): WARNER WALTER CHARLES HUDSON ; WALTER C WARNER ; MEYER DANIEL ARLAND AKRON ; OHIO ;
OHIO OS 16 WOCHTE 190473 TEIL 8 ; FORD BRYCE WEBSTER KENT ; BRYCE W FORD ; DANIEL A
MEYER

67) Family number: 43167512 (WO09052054A1)

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

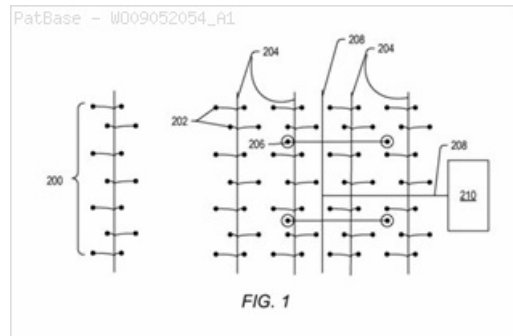
Abstract: Systems, methods, and/or heaters for treating a subsurface formation are described herein. Some embodiments also generally relate to heaters that have novel components therein. Such heaters may be obtained by using the systems and methods described.

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

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

68) Family number: 31957524 (US2001002451A)

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Title: METHOD AND APPARATUS FOR CONTROLLING A VEHICULAR COMPONENT

Abstract: Control system and method for controlling a part of the vehicle in which sensor systems are mounted at different locations on the vehicle, each sensor system providing a measurement related to a state of the sensor system or a measurement related to a state of the mounting location. A processor coupled to the sensor systems diagnoses the state of the vehicle based on the measurements of the sensor system, e.g., by the application of a pattern recognition technique. The processor controls the part based at least in part on the diagnosed state of the vehicle. At least one of the sensor systems may be a high dynamic range accelerometer or a sensor selected from a group consisting of a single axis acceleration sensor, a double axis acceleration sensor, a triaxial acceleration sensor and a gyroscope, and may optionally include an RFID response unit.

Classifications:

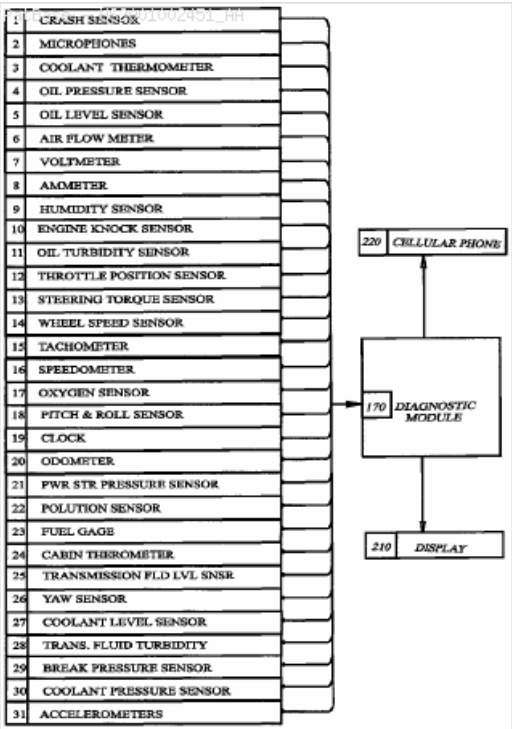
International (IPC 8-9): B60C11/24 B60C19/00 B60C23/04

B60C23/06 B60J10/00 B60J7/057 B60K28/16 B60N2/00 B60N2/015 B60N2/02 B60N2/06 B60N2/28 B60N2/48 B60N2/66 B60Q1/14 B60R16/02 B60R16/037 B60R21/01 B60R22/20 E05F15/00 G01F23/00 G01F23/20 G01F23/296 G01G19/414 G01N11/00 G01N29/02 G01N33/00 G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/02 G01S17/88 G01S7/41 G01S7/48 G01S7/539 G06F3/023 G06K9/00 G07C5/00 G07C5/08 G08B13/14 G08B29/18 G08C19/00 H01Q1/32 (Advanced/Invention); B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/16 B60R21/20 B60R21/203 B60R21/215 B60R21/231 B60R21/26 B60R21/276 B60R22/28 B60R22/46 B60R22/48 G01S13/04 G01S15/06 G01S17/89 (Advanced/Non-invention); B60C11/24 B60C19/00 B60C23/02 B60C23/06 B60J10/00 B60J7/04 B60N2/00 B60N2/005 B60N2/02 B60N2/06 B60N2/26 B60N2/48 B60N2/64 B60Q1/14 B60R16/02 B60R16/037 B60R21/01 B60R22/18 E05F15/00 G01F23/00 G01F23/296 G01G19/40 G01N11/00 G01N29/02 G01N33/00 G01S15/00 G01S17/00 G01S7/02 G01S7/48 G01S7/539 G06F3/023 G06K9/00 G07C5/00 G08B13/14 G08B29/00 G08C19/00 H01Q1/32 (Core/Invention); B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/16 B60R21/20 B60R21/23 B60R21/26 B60R22/00 B60R22/28 B60R22/46 G01S13/00 (Core/Non-invention)

International (IPC 1-7): G06F11/00 G06F7/00 G08C19/00 **CPC:** G01N35/00871 G01N2291/02836 G01N2291/02845 G01N2291/02881 B60N2002/0272 B60N2/002 B60N2/015 B60N2/0244 B60N2/0248 B60N2/0252 B60N2/067 B60N2/28 B60N2/2806 B60N2002/0268 B60Q1/143 B60Q2300/41 B60Q2300/42 B60R16/037 B60R21/0134 B60R21/0136 B60R21/203 B60R21/21656 B60R21/276 B60R22/20 B60R22/201 B60R25/25 B60R25/252 B60R25/255 B60R25/257 B60R2001/1223 B60R2001/1253 B60R2021/0027 B60R2021/01315 B60R2021/23153 B60R2021/26094 B60R2021/2765 B60R2022/208 B60R2022/288 B60R2022/4685 B60R2022/4825 E05Y2900/516 E05Y2900/542 E05Y2900/55 G01S7/417 G01S7/4802 G01S7/539 G01S13/04 G01S15/04 G01S15/06 G01S15/42 G01S15/87 G01S15/88 G01S17/026 G01S17/88 G01S17/89 G06F3/0219 G06F3/0233 G06F3/0237 G06F3/0238 G06K9/00362 G06K9/00624 G06K9/00832 G08B13/1427 G08B21/0286 G08B29/181 G10K2210/1282 G10K2210/3219 H01Q1/3291 G06K9/00536 B60C19/00 B60C11/24 B60C11/246 B60G2400/62 B60G2401/12 B60N2/0232 B60N2/0276 B60N2/2863 G07C5/0808 B60R21/01534 B60R21/01536 B60R21/01532 B60R21/01542 B60R21/01546 B60R21/01548 B60R21/01552 B60R21/01554 B60R2021/01088 G07B15/063 G07C5/008 G07C5/085 G08G1/205 B60R21/0152 B60R21/01516 B60R21/01538 B60R21/0153 B60R21/01544 E05F15/43 E05F15/431 E05F2015/433 G08B13/248 B60N2/829 B60N2/853 B60N2/888 B60R21/013 B60R21/0132 B60R21/015

European: B60C11/24 B60C19/00 B60J10/00 B60J7/057B B60N2/00C B60N2/015 B60N2/02B4 B60N2/02B6 B60N2/02B6B B60N2/02B6C B60N2/02B6W B60N2/06S B60N2/28 B60N2/28B2 B60N2/48C2C B60N2/48C3C B60N2/48W B60N2/66 B60Q1/14C1B B60R16/02B8 B60R16/037 B60R21/013 B60R21/0136 B60R21/015 B60R22/20 B60R25/25 B60R25/25B B60R25/25D B60R25/25F E05F15/00B6B E05F15/00B6B2 G01F23/00G1A G01F23/20 G01F23/296D G01G19/414A G01N35/00G3L G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/02D G01S17/88 G01S7/41D G01S7/48A G01S7/539 G06F3/023A5 G06F3/023M G06F3/023M8 G06F3/023P G06F3/02A5 G06K9/00H G06K9/00V G06K9/00V7 G07C5/00T G07C5/08D G08B13/14D G08B13/24B5T G08B13/24B7D G08B21/02A26 G08B29/18A G08G1/20B H01Q1/32L10 L60G400/62 L60G401/12 L60N2/02B6S L60Q300/410 L60Q300/420 L60R1/12C L60R1/12G L60R21/00C L60R21/0132 L60R21/0134 L60R21/013R L60R21/015G2 L60R21/015G6 L60R21/015G6B L60R21/015G6D L60R21/015G6F L60R21/015G6H L60R21/015G7 L60R21/015G8 L60R21/015G8C L60R21/015G8E L60R21/015G9 L60R21/015J L60R21/01H3Y L60R21/01L6A L60R21/203 L60R21/2165S L60R21/231M L60R21/26V L60R21/276 L60R21/276L L60R22/20B L60R22/20R L60R22/28L L60R22/46L L60R22/48B2 P05F15/00B6B5R P05Y900/516 P05Y900/542 P05Y900/550 S01N291/028F S01N291/028H S01N291/028T S01S13/04 S01S15/04 S01S15/06 S01S15/88 S01S17/89 S07B15/06B S07C5/08R2 S10K210/1282 S10K210/3219

US: 180/197 280/735 280/735S 307/9.1 340/12.25 340/13.31 340/13.310P 340/5.61 340/5.64 340/5.7 340/5.71 340/5.710S 340/7.29 340/825.22 340/825.37 340/825.69 340/825.72 455/42 455/420 455/420S 455/556.2 701/1 701/29 701/29.7 701/30.6 701/31.4 701/32.1 701/32.3 701/32.4 701/33.1 701/34 701/34.4 701/36 701/36P 701/39 701/468 701/500 73/53.01 73/53.010S 73/61.41 73/61.410P 73/625 73/625S



Family:

Publication number	Publication date	Application number	Application date
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US2003176959 AA	20030918	US20020330938	20021227
US2005046584 AA	20050303	US20040940881	20040913
US2006180371 AA	20060817	US20060278188	20060331
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Priority:

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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT ; BREED DAVID S ; INTELLIGENT TECH INT INC

Assignee(s): AMERICAN VEHICULAR SCIENCES LLC ; INTELLIGENT TECHNOLOGIES INTERNATIONAL INC ; INTELLIGENT TECHNOLOGIES INT INC ; INTELLIGENT TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AUTOMOTIVE TECHNOLOGIES INTIONAL

Inventor(s): (std): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C

Inventor(s): BREED DAVID ; DUVALL WILBUR ; JOHNSON WENDELL

Agent(s): BRIAN ROFFE ESQ; BRIAN

69) Family number: 55882525 (CA2841667C)

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Title: A GASIFICATION FACILITY WITH A HORIZONTAL GASIFIER AND A PLASMA REFORMER

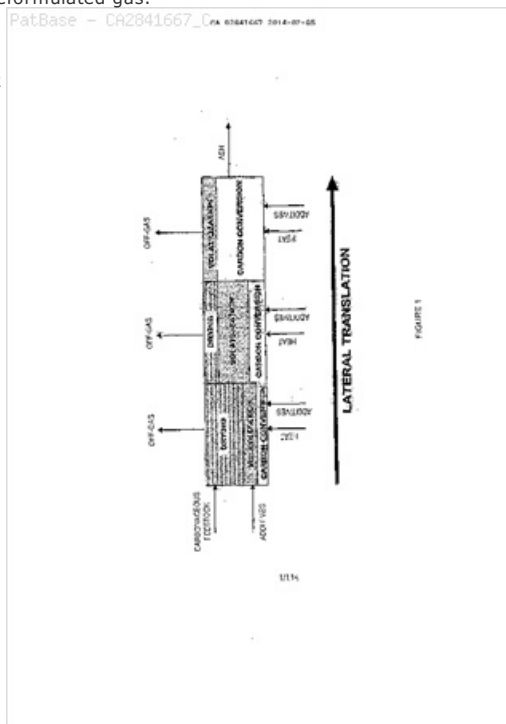
Abstract: A gasification facility comprising a gasifier and plasma reformulation system is provided. The facility is configured to perform optimized processes comprising generating a raw offgas and/or syngas from carbonaceous feedstock and processes for converting the raw offgas and/or syngas to a plasma reformulated gas.

Classifications:

International (IPC 8-9): C10J1/207 C10J3/82 C10J3/84 C10K1/02 C10K3/00 (Advanced/Invention)

CPC: C10J3/84 C10J3/20 C10J3/463 C10J3/482 C10J3/723 C10J3/82 C10J2200/09 C10J2300/0946 C10J2300/0983 C10J2300/1223 C10J2300/1238 C10J2300/1634 C10J2300/165 C10J2300/1671 C10J2300/1681 C10J2300/1693 C10K1/003 C10K1/024 C10K1/101 C10K1/12 C10K1/122 C10K1/14 C10K1/16 C10K1/20 C10K1/32 C10K3/008 F23G5/027 F23G5/085 F23G2204/201 F23G2209/262 F23J7/00 F23J2219/70 Y02E20/12 Y02E20/18 Y02E50/32 Y02P20/129 Y02P20/13 Y02W10/37

PatBase - CA2841667_C (A 03841667 2014-07-05)



Family:

Publication number	Publication date	Application number	Application date
CA2841667 AA	20090514	CA20072841667	20070507
CA2841667 C	20150317	CA20072841667	20070507

Priority:

US20060797973P	20060505	WO2006CA00881	20060605	WO2006CA00882	20060605
US20060864116P	20061102	US20070911179P	20070411	CA20072714911	20070507
CA20072841667	20070507	CA20142714911	20140408		

Probable Assignee: PLASCO ENERGY GROUP INC

Assignee(s): (std): PLASCO ENERGY GROUP INC

Assignee(s): DOBBS GEOFFREY ; MARCEAU PASCALE BONNIE ; SHEN ZHIYUAN ; MCLEAN ALISDAIR ALAN ; FEASBY D MICHAEL ; PLASCO TRAIL ROAD INC ; PLASCO CONVERSION TECHNOLOGIES INC ; ZOU XIAOPING ; WAGLER THOMAS EDWARD ; SWAIN MARGARET ; SONI NIPUN ; TSANGARIS ANDREAS ; BASHAM SCOTT DOUGLAS ; CAMPBELL KENNETH CRAIG ; CHOTALIYA ASHISH ; CUI MAO PEI

Inventor(s): (std): DOBBS GEOFFREY ; ZOU XIAOPING ; MARCEAU PASCALE BONNIE ; WAGLER THOMAS EDWARD ; SWAIN MARGARET ; CUI MAO PEI ; CHOTALIYA ASHISH ; SHEN ZHIYUAN ; SONI NIPUN ; MCLEAN ALISDAIR ALAN ; BASHAM SCOTT DOUGLAS ; TSANGARIS ANDREAS ; FEASBY D MICHAEL ; CAMPBELL KENNETH CRAIG

Inventor(s): FEASBY D

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP

Title: SMARTPHONE-BASED VEHICULAR INTERFACE

Abstract: Method for enabling interaction with a vehicle including coupling a smartphone to the vehicle via a coupling element whereby the smartphone is removable from the coupling element and thus removable from the vehicle, and transferring data between the smartphone and the vehicle while the smartphone is coupled to the vehicle via the coupling element. The data transfer enables a large number of operations to be performed when the smartphone is coupled to the vehicle, including vehicle ignition authorization, accident prediction, collision avoidance, vehicular diagnostics and prognostics, remote communication capabilities, and optimization of emergency response personnel.

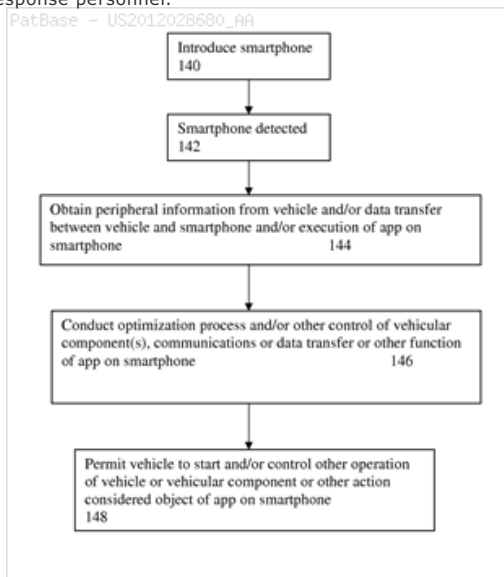
Classifications:

International (IPC 8-9): B60N2/00 G08B1/08
H04W4/04 (Advanced/Invention)

CPC: B60C11/24 B60C19/00 B60N2/015 B60N2/0232 B60N2/0244 B60N2/0248 B60N2/0252 B60N2/0276 B60N2/067 B60N2/28 B60N2/2806 B60N2/2863 B60N2002/0268 B60N2002/0272 B60Q1/143 B60Q2300/41 B60Q2300/42 B60R16/037 B60R21/013 B60R21/0134 B60R21/0136 B60R21/01516 B60R21/01526 B60R21/0153 B60R21/01532 B60R21/01534 B60R21/01536 B60R21/01538 B60R21/01542 B60R21/01544 B60R21/01546 B60R21/01548 B60R21/01552 B60R21/01554 B60R21/203 B60R21/21656 B60R21/276 B60R22/20 B60R22/201 B60R25/25 B60R2001/1223 B60R2001/1253 B60R2021/0027 B60R2021/01315 B60R2021/23153 B60R2021/26094 B60R2021/2765 B60R2022/208 B60R2022/288 B60R2022/4685 B60R2022/4825 E05F15/43 E05F15/431 E05F2015/433 E05Y2900/516 E05Y2900/542 E05Y2900/55 G01F23/0076 G01F23/20 G01F23/2962 G01M5/0008 G01S7/417 G01S7/4802 G01S7/539 G01S13/04 G01S15/04 G01S15/06 G01S15/42 G01S15/87 G01S15/88 G01S17/026 G01S17/88 G01S17/89 G06F3/0219 G06F3/0233 G06F3/0237 G06F3/0238 G06K9/00362 G06K9/00624 G06K9/00832 G07C5/0808 G08B13/1427 G08B13/248 G08B21/0286 G08B29/181 G10K2210/1282 G10K2210/3219 H01Q1/3291 B60N2/002 B60R21/0132 G08B13/2462 G07C5/008 B60N2/829 B60N2/853 B60N2/888

European: B60N2/00C

US: 1/1 455/556.1 455/556.100P

**Family:**

Publication number	Publication date	Application number	Application date
US2012028680 AA	20120202	US20110270353	20111011
US9211811 BB	20151215	US20110270353	20111011

Priority:

US20020387792P 20020611	US20030457238 20030609	US20040931288 20040831
US20040940881 20040913	US20060278979 20060407	US20060380574 20060427
US20070619863 20070104	US20070755199 20070530	US20070843932 20070823
US20070865363 20071001	US20070927934 20071030	US20070947028 20071129
US20110270353 20111011		

Probable Assignee:

INTELLIGENT TECHNOLOGIES INT INC

Assignee(s): (std):

BREED DAVID S ; INTELLIGENT TECH INT INC

Assignee(s):

INTELLIGENT TECHNOLOGIES INT INC

Inventor(s): (std):

BREED DAVID S

Agent(s):

BRIAN

Title: AUTOMOTIVE ELECTRONIC SAFETY NETWORK

Abstract: An occupant protection device deployment system and safety network, including at least one module housing, at least one deployable protection such as an airbag associated with each housing, a deployment initiator associated with each housing for initiating deployment of the component, a determination unit for determining that deployment of one or more of the components is desired, and respective electronic control units arranged within, adjacent or proximate each housing and coupled to a respective deployment initiator and the determination unit via an electrical bus for causing the deployment initiator to deploy the component in the respective housing upon receiving a signal from the determination unit. The control units include a power supply for enabling operation of the initiator.

Classifications:

International (IPC 8-9): B60N2/02 B60N2/28 B60R21/16 B60R21/20 B60R21/213 B60R21/231 B60R21/233 B60R21/235 B60R21/30 G06F7/00 G07C5/00 G07C5/08 (Advanced/Invention); B60R21/00 (Advanced/Non-invention)

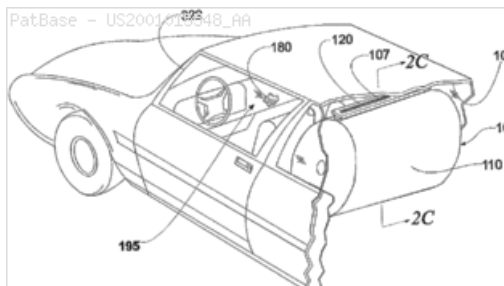
International (IPC 1-7): B60R21/32

CPC: B60C23/0408 G07C5/085 B60N2002/0272 B60R21/233 B60N2/0232 B60N2/0276 B60N2/2863 B60R21/20 B60R21/214 B60R21/232 B60R21/235 B60R21/30 B60R2021/0004 B60R2021/23107 B60R2021/23153 B60R2021/23161 B60R2021/23169 B60R2021/23519 B60R2021/23523 B60R2021/23557 B60R2021/2358 B60R2021/2359 G07C5/008 G07C5/0808

European: B60C23/04C B60N2/02B4 B60N2/02B6W B60N2/28P4

B60R21/16B2B B60R21/16B2V B60R21/16B4 B60R21/20 B60R21/20K B60R21/214 B60R21/232 B60R21/233 B60R21/235 B60R21/30 G07C5/00T G07C5/08D G07C5/08R2 L60R21/00A1 L60R21/214 L60R21/231C L60R21/231M L60R21/231N L60R21/231P L60R21/235M3 L60R21/235M5 L60R21/235P6 L60R21/235S4 L60R21/235S6

US: 180/274 180/282 280/735 280/735P 701/29 701/29.1 701/32.9 701/33 701/33.6 701/33.7 701/34 701/34.3 701/34.4 701/45 702/183 706/15

**Family:**

Publication number	Publication date	Application number	Application date
US2001015548 AA	20010823	US20010767020	20010123
US2002027346 AA	20020307	US20010925062	20010808
US6533316 BB	20030318	US20010767020	20010123
US6733036 BB	20040511	US20010925062	20010808
US7103460 BA	20060905	US20050220139	20050906

Priority:

US19940239977	19940509	US19950476077	19950607	US19950550217	19951030
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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

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Inventor(s): (std): BREED DAVID S ; DU VALL WILBUR E ; JOHNSON WENDELL C ; DUVALL WIBUR E ; DUVALL WILBUR E ; SANDERS WILLIAM THOMAS

Agent(s): BRIAN

72) Family number: 44896575 (US2010089574A)

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Title: METHODS AND APPARATUS FOR WELLBORE ENHANCEMENT

Abstract: Methods for enhancing existing wells, such as increasing the diameter of an existing well by hydrothermal spallation are provided. Such methods may include providing a housing comprising a reaction chamber and a catalyst element held within the reaction chamber, providing at least one jet nozzle, contacting one or more unreacted fluids or solids with the catalyst element, wherein the unreacted fluid or solid is adapted to react with the catalyst element, thus generating a reacted fluid, and emitting the reacted fluid through the at least one nozzle, wherein the at least one nozzle may be directed to a production zone of an internal wall of the existing well.

Classifications:

International (IPC 8-9): E21B10/00 E21B10/60 E21B41/00 E21B43/00 E21B43/114 E21B43/22 E21B43/24 E21B43/241 E21B43/26 E21B43/267 E21B43/28 E21B7/00 E21B7/14 E21B7/18 (Advanced/Invention); E21B10/00 E21B41/00 E21B43/00 E21B43/11 E21B43/16 E21B43/25 E21B7/00 E21B7/14 E21B7/18 (Core/Invention)

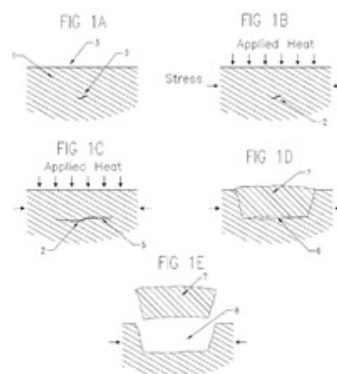
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European: E21B10/00 E21B10/60 E21B41/00P E21B43/114 E21B7/14 E21B7/18

US: 166/272.1 166/272.100P 166/272.6 166/272.600P 166/280.2 166/280.200S 166/308.1 166/308.100S 166/313 166/313S 175/11 175/15 175/15S 175/17 175/17P

PatBase - US2010089574_AA

Patent Application Publication Apr. 15, 2010 Sheet 1 of 23 US 2010/089574 A1



Family:

Publication number	Publication date	Application number	Application date
AU2009302290 AA	20100415	AU20090302290	20091008
AU2009302291 AA	20100415	AU20090302291	20091008
AU2009302294 AA	20100415	AU20090302294	20091008
AU2009302296 AA	20100415	AU20090302296	20091008
CA2740048 AA	20100415	CA20092740048	20091008
CA2740052 AA	20100415	CA20092740052	20091008
CA2740055 AA	20100415	CA20092740055	20091008
CA2740059 AA	20100415	CA20092740059	20091008
EP2347082 A2	20110727	EP20090737302	20091008
EP2347083 A2	20110727	EP20090793358	20091008
EP2347084 A2	20110727	EP20090736533	20091008
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US2010089574 AA	20100415	US20090575857	20091008
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US8235140 BB	20120807	US20090575852	20091008
WO10042719 A2	20100415	WO2009US60002	20091008
WO10042719 A3	20100910	WO2009US60002	20091008
WO10042720 A2	20100415	WO2009US60003	20091008
WO10042720 A3	20100812	WO2009US60003	20091008
WO10042723 A2	20100415	WO2009US60007	20091008
WO10042723 A3	20100805	WO2009US60007	20091008
WO10042725 A2	20100415	WO2009US60010	20091008
WO10042725 A3	20100910	WO2009US60010	20091008

Priority:

US20080103859P 20081008	US20080140477P 20081223	US20080140512P 20081223
US20080140489P 20081223	US20090236958P 20090826	US20090575823 20091008
US20090575857 20091008	US20090575839 20091008	US20090575852 20091008
WO2009US60002 20091008	WO2009US60003 20091008	WO2009US60007 20091008
WO2009US60010 20091008	US20120672842 20121109	

Probable Assignee: POTTER DRILLING INC

Assignee(s): (std): POTTER DRILLING INC ; POTTER JARED M ; POTTER ROBERT M ; UNZELMAN LANGSDORF JASON ; WIDEMAN THOMAS W ; DREESON DONALD ; DREESON DONALD S

Inventor(s): (std): POTTER ROBERT M ; POTTER JARED M ; DREESON DONALD ; WIDEMAN THOMAS W ; UNZELMAN LANGSDORF JASON ; DREESON DONALD S ; DREESON DONALDS

Inventor(s): JARED M POTTER ; THOMAS W WIDEMAN ; DONALD DREESON ; JASON UNZELMAN LANGSDORF ; ROBERT M POTTER

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; COPSEY TIMOTHY GRAHAM; GOODWIN PROCTER LLP,PATENT ADMINISTRATOR; GOODWIN PROCTER LLP PATENT ADMINISTRATOR; GOODWIN PROCTER LLP; KAVANAUGH THERESA C ET AL; KAVANAUGH THERESA C 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 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 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 PE 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

73) Family number: 68878594 (US2018073482A)

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Title: INERTIAL WAVE ENERGY CONVERTER

Abstract: A wave energy converter generates power from a wave-induced separation of a positively buoyant flotation module and a submerged negatively buoyant mass, using a rotating pulley to drive a power-take-off system.

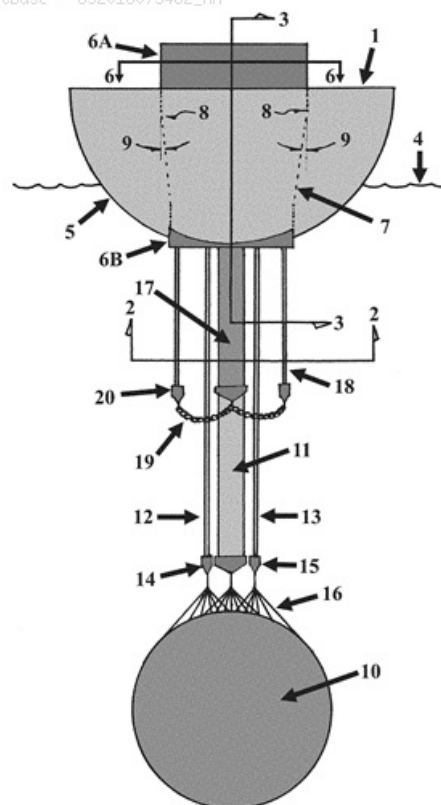
Classifications:

International (IPC 8-9): B63B21/00 B63B21/50 B63B22/00 B63B22/18 B63B22/24 B63B3/04 B63B35/00 B63B35/44 B63B39/06 B63G8/00 B63H21/00 F03B13/00 F03B13/06 F03B13/10 F03B13/12 F03B13/14 F03B13/16 F03B13/18 F03B13/20 F03B13/22 F03B13/26 F03B15/14 F03D1/06 F03D13/10 F03D3/00 F03D3/06 F03D5/00 F03D9/00 F03D9/10 F03D9/11 F03D9/20 F03D9/34 F16H19/06 G01C21/20 G05D1/00 G05D1/02 G06F9/48 G06N3/08 H02J4/00 H02K3/52 H02K7/075 H02K7/18 H04L9/06 (Advanced/Invention); F16H39/00 F16H41/00 (Advanced/Non-invention)

CPC: H02K7/1853 F03B13/26 F03B13/264 F16H39/00 F16H41/00 F05B2260/406 F05B2260/504 Y02E10/28 H02K3/52 F03B13/148 B63B22/18 B63H21/00 H04L9/0637 B63B39/06 F03B13/145 F03B13/16 F03B13/24 F05B2260/20 F05B2260/2241 F05B2260/42 G09C1/00 H04L9/3239 B63B2022/006 B63B2035/446 G06N3/08 F03B13/142 F03B13/183 F03B13/1885 F03B13/189 F03B13/20 F03D13/10 F03D13/25 F05B2210/16 F05B2240/133 F05B2240/212 F05B2240/93 F05B2240/931 Y02E10/727 F03B13/1805 F03B13/1875 F03D3/002 F03D3/005 F03D3/065 F03D3/068 F05B2240/97 F05B2270/18 H02K7/075 F03D7/048 F05B2220/708 F05B2240/95 F05B2260/82 F05B2260/8211 F05B2270/32 F05B2270/321 F03D9/008 B63B35/44 B63B2035/4466 B63G8/001 B63G2008/004 G01C21/20 G05D1/0055 G05D1/0206 G06F9/4881 H02K7/1823 H02K7/183 H04L2209/38 H04L9/0643 B63B21/50 B63B22/00 B63B35/00 F03B13/14 F05B2240/40 F05B2240/96 Y02E10/22 Y02E10/38 Y02E60/17 Y02P90/50 F03B13/12 F03B13/22 F16H19/06

US: 1/1 290/42 405/76 60/500 701/21

PatBase - US2018073482_AA



Family:

Publication number	Publication date	Application number	Application date
AU2017385006 AA	20190418	AU20170385006	20170911

AU2018224814 AA	20191010	AU20180224814	20180223
US2018073482 AA	20180315	US20170700118	20170909
US2018073483 AA	20180315	US20170700122	20170909
US2018245564 AA	20180830	US20180902581	20180222
US2018363619 AA	20181220	US20180114836	20180828
US2019016419 AA	20190117	US20180033522	20180712
US2019219026 AA	20190718	US20190248410	20190115
US2019233060 AA	20190801	US20190256764	20190124
US10087909 BB	20181002	US20170700122	20170909
US10473083 BB	20191112	US20170700118	20170909
WO18125318 A2	20180705	WO2017US51000	20170911
WO18125318 A3	20190418	WO2017US51000	20170911
WO18125318 A9	20180823	WO2017US51000	20170911
WO18156959 A1	20180830	WO2018US19529	20180223
WO18175297 A1	20180927	WO2018US23099	20180319
WO19018226 A1	20190124	WO2018US42023	20180713
WO19143695 A1	20190725	WO2019US13812	20190116
WO19147983 A1	20190801	WO2019US15216	20190125

Priority:

US20160393056P	20160911	US20160426328P	20161125	US20160430354P	20161206
US20160435895P	20161219	US20160436479P	20161220	US20170441457P	20170102
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US20190248410	20190115	US20190256764	20190124		

Probable Assignee: LONE GULL HOLDINGS LTD

Assignee(s): (std): LONE GULL HOLDINGS LTD ; MOFFAT BRIAN ; MOFFAT BRIAN LEE ; PLACE DANIEL ; PLACE DANIEL WILLIAM ; SHALHOUB RABEH BASSAM ; SHELDON COULSON GARTH ALEXANDER ; SHELDON COULSON GARTH ; SHALHOUB RABEH

Inventor(s): (std): PLACE DANIEL WILLIAM ; MOFFAT BRIAN LEE ; SHALHOUB RABEH BASSAM ; SHELDON COULSON GARTH ALEXANDER ; SHELDON COULSON GARTH

Agent(s): IN LEGAL LTD; FULWIDER PATTON LLP; MOFFATT MICHAEL J; MOFFATT ESQ MICHAEL J; MOFFATT ESQ MICHAEL J ET AL

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 JO JP KE KG KH 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

74) Family number: 41801602 (US2008114502A)

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Title: SYSTEM FOR OBTAINING VEHICULAR INFORMATION

Abstract: System for obtaining information about a vehicle or a component therein includes sensors fixed to a frame of the vehicle and arranged to generate and transmit a signal upon receipt and detection of a radio frequency (RF) signal and a multi-element, switchable directional antenna array. Each antenna element is directed toward a respective sensor and transmitter RF signals toward that sensor and receive return signals therefrom. A control mechanism controls transmission of the RF signals from the antenna elements, e.g., causes the antenna elements to be alternately switched on in order to sequentially transmit the RF signals and receive the return signals from the sensors.

Classifications:

International (IPC 8-9): G05D1/00 G06F19/00

G06F7/00 (Advanced/Invention)

CPC: B60N2002/0272 G07C5/008 B60C11/24 B60C11/246

B60C19/00 B60C23/0449 B60N2/0232 B60N2/0276 B60N2/2863

B60R21/20 B60R21/213 B60R21/232 B60R21/233 B60R21/235

B60R21/30 B60R2021/0004 B60R2021/23107 B60R2021/23153

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B60R2021/23523 B60R2021/23557 B60R2021/2358 B60R2021/2359

G02B27/01 G02B2027/014 G02B2027/0187 G06K7/10178

G07C5/0808 G07C5/085

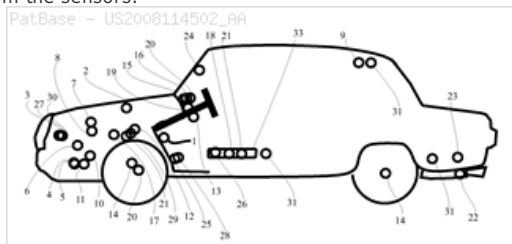
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G06K7/10A3C G07C5/00T G07C5/08D G07C5/08R2 L60R21/00A1 L60R21/231C L60R21/231M L60R21/231N L60R21/231P

L60R21/235M3 L60R21/235M5 L60R21/235P6 L60R21/235S4 L60R21/235S6 S02B27/01A11 S02B27/01D4

US: 701/2 701/29 701/29S 701/2P 701/31.4 701/31.400S 701/32.7



Family:

Publication number	Publication date	Application number	Application date
US2008114502 AA	20080515	US20070942044	20071119
US7555370 BB	20090630	US20070942044	20071119

Priority:

US19950476077	19950607	US19950550217	19951030	US19950571247	19951212
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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC**Assignee(s):** (std): AUTOMOTIVE TECH INT**Assignee(s):** AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AUTOMOTIVE TECHNOLOGIES INT ; AMERICAN VEHICULAR SCIENCES LLC**Inventor(s):** (std): JOHNSON WENDELL C ; DUVAL WILBUR E ; BREED DAVID S**Agent(s):** BRIAN ROFFE ESQ; BRIAN**75) Family number: 47675616** (US2014123779A)

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Title: SPACE PROVISION SYSTEM USING COMPRESSION DEVICES FOR THE REALLOCATION OF RESOURCES TO NEW TECHNOLOGY, BROWNFIELD AND GREENFIELD DEVELOPMENTS

Abstract: System and method of well space provision for forming a geologic testing space for proving an operation of an unproven downhole apparatus (78, 92), generally referred to as new technology, within an aged geology, during the rig-less abandonment of an aging well to in use, reallocate operation of said unproven downhole apparatus from unproven to proven operation within a proximally similarly aged geology of said aging well, another aging well (79), a new well (80), or a field of said wells (79, 80) generally referred to as Brownfields and Greenfields, wherein said unproven downhole apparatus comprises a hydrodynamic bearing boring apparatus (1A, 1E, 1BM, 9AA, 92D) or a bore hole piston apparatus (1A, 1AF, 92A-92C, 92E-92G).

Classifications:

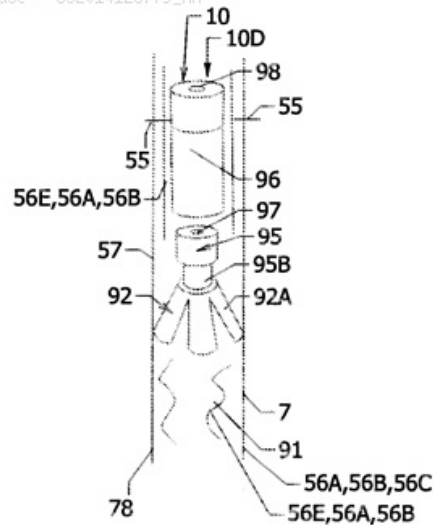
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CPC: E21B33/13 E21B4/02 E21B7/068 E21B33/1243 E21B34/06 E21B43/11 E21B43/129 E21B43/14 E21B33/14 E21B17/10 E21B47/09 E21B33/05 E21B43/116 E21B47/01 E21B47/06 E21B33/12 E21B37/04 E21B12/06 E21B7/205 E21B47/12 E21B29/002 E21B28/00 E21B29/02 E21B17/1078 E21B33/134 E21B17/05 E21B43/10 E21B47/0002 F16C32/0629 E21B10/322 E21B7/06 E21B4/003 E21B41/0035 E21B23/14 E21B29/005 E21B29/06 E21B41/00 E21B17/1021 E21B27/00 E21B33/1208 E21B33/128 E21B7/061 E21B37/00 E21B7/20 E21B47/0005 E21B47/011 E21B47/024 E21B33/10 E21B7/00 E21B17/20 E21B29/10 E21B43/103 E21B43/105 E21B43/117 E21B43/119 E21B29/00 E21B37/02

European: E21B17/20 E21B29/06 E21B33/124B E21B33/13 E21B34/06 E21B4/00B E21B4/02 E21B43/11 E21B43/12B12 E21B43/14 E21B47/01P E21B47/024 E21B7/06B E21B7/06M E21B7/20

US: 1/1 166/174 166/177.4 166/179 166/250.14 166/254.2 166/285 166/298 166/299 166/311 166/378 166/386 166/387 166/55.7 166/65.1 166/66 166/66.4 175/107 175/267 175/325.1 175/61 175/65 175/73 73/865.6

PatBase - US2014123779_AA

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Probable Assignee: TUNGET BRUCE L

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Assignee(s): TUNGET BRUCE A35 EASTSIDE DRIVEABERDEENSHIREAB32 6QNWESTHILL6QNGB ; SILICON VALLEY BANK ; COMERICA BANK ; RAFTER INC AKA BOOKRENTERCOM INC

Inventor(s): (std): BRUCE ARNOLD TUNGET ; TUNGET BRUCE ARNOLD ; BRUCE A TUNGET ; TANDZHET BRYUS E ; TUNGET BRUCE ; TUNGET BRUCE A

Inventor(s): TUNGET BRUCE A WESTHILL ; TUNGET BRUCE A35 EASTSIDE DRIVEABERDEENSHIREAB32 6QNWESTHILL6QNGB

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BRETTELL LLP; JOHNSON YVONNE CATHERINE; YURIDICHESKAYA GORODISSKI I PARTNERY OOO FA;
MCCUTCHEON TERRY L
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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76) Family number: 40797636 (US2007203727A)

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Title: EMERGENCY SUPPLIES PRE-POSITIONING AND ACCESS CONTROL METHOD

Abstract: One provides (101) a plurality of carriable containers having emergency supplies contained therein wherein each of these carriable containers is readily carriable by an average adult human. These carriable containers are then placed (103) within one or more corresponding controlled access containers as are provided at one or more publicly accessible locations (102). Prior to a triggering catastrophic event, one or more specific authorized beneficiaries are then preauthorized (104) to have catastrophic event-based access to one or more of these carriable containers. So configured, the authorized beneficiary(s) will in turn have access to the corresponding emergency supplies that are contained within the carriable container when a triggering catastrophic event occurs.

Classifications:

International (IPC 8-9): A01B71/06 A45F5/00 A47F1/04
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G06Q90/00 (Advanced/Non-invention);
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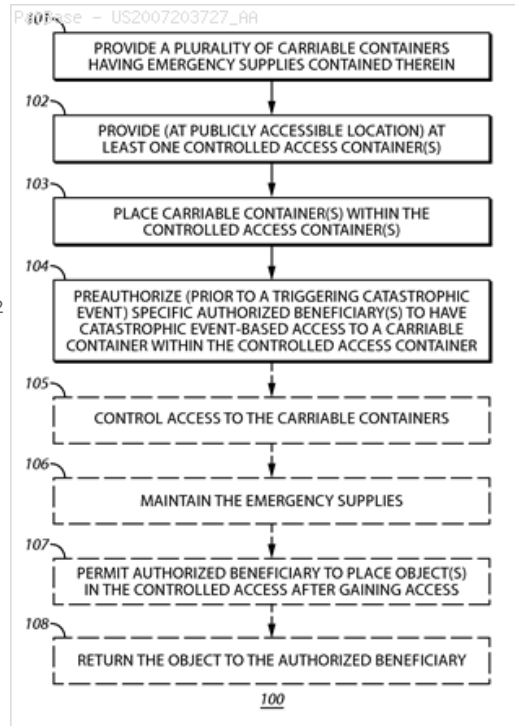
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US: 141/10 180/14.1 180/14.100P 198/321 224/101 235/382.5 235/382.500S 250/472.1 250/519.1 345/85P 379/37 379/37P
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Family:

Publication number	Publication date	Application number	Application date
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WO08073527 A2	20080619	WO2007US74645	20070727
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WO08082744 A3	20081120	WO2007US81676	20071017
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WO08085573 A2	20080717	WO2007US81265	20071012
WO08085573 A3	20081211	WO2007US81265	20071012

WO08085584 A3	20080313	WO2007US83018	20071030
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WO08088590 A2	20080724	WO2007US79394	20070925
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WO08091427 A2	20080731	WO2007US83211	20071031
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Priority:

US20060361247	20060224	US20060384037	20060317	US20060394350	20060330
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US20070894350P	20070312	US20080047130	20080312		

Probable Assignee: SOVEREIGN DEED LLC

Assignee(s): (std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E ; SOVEREIGN DEED LLC

Inventor(s): (std): MOORE BARRETT H ; BOTOS MATTHEW J ; SEIDEL GREGORY E

Inventor(s): MOORE BARRETT

Agent(s): FITCH EVEN TABIN AND FLANNERY; KRATZ RUDY; KRATZ RUDY I; KRUEGER JAMES P; KRATZ RUDY I ET AL; SAMPLES KENNETH H ET AL

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

77) Family number: 15640640 (WO0153658A2)

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Title: METHOD AND DEVICES FOR PREVENTING ROCK BURSTS, ESPECIALLY FOR USE IN UNDERGROUND WORKS

Abstract: The invention relates to a method and to devices used in the field of mining and in the production of underworkings. The aim of the invention is to maintain the primary state of stress of rock formations and to prevent rock bursts. According to the inventive method to be used in mining and in the production of underworkings, the rocks are drilled or cut by drilling or cutting tools and are then split or broken by splitting or breaking tools. The invention also provides for a modular system with which the processes of drilling, cutting and subsequent splitting and breaking can be optimally performed.

Classifications:

International (IPC 8-9): E21C41/00 E21C41/16 E21D7/00

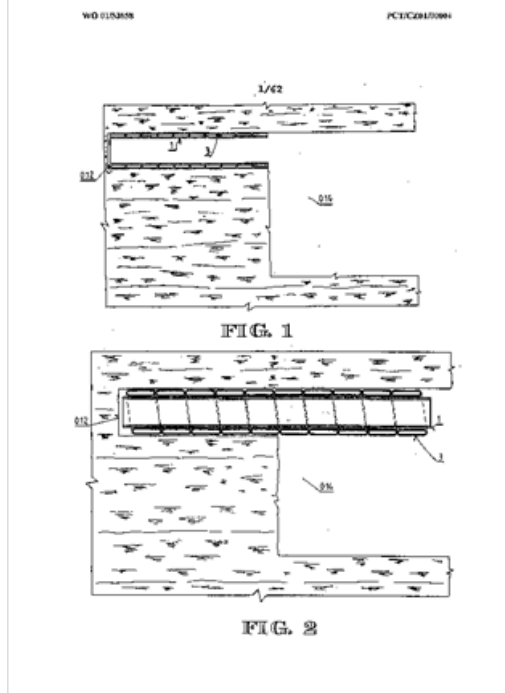
E21F5/00 (Advanced/Invention);

E21C41/00 E21D7/00 E21F5/00 (Core/Invention)

International (IPC 1-7): E21C41/00 E21C41/16 E21D7/00 E21F5/00

CPC: E21C41/24 E21F5/00

European: E21C41/16 E21C41/24 E21F5/00

**Family:**

Publication number	Publication date	Application number	Application date
AU200131500 A1	20010731	AU20010031500	20010124
AU200131500 A5	20010731	AU20010031500D	20010124
CZ20000277 A3	20010912	CZ20000000277	20000124
WO0153658 A2	20010726	WO2001CZ00004	20010124
WO0153658 C1	20020711	WO2001CZ00004	20010124

Priority:

CZ20000000277 20000124 WO2001CZ00004 20010124

Probable Assignee: DVORAK JAROSLAV**Assignee(s):** (std): DVORAK JAROSLAV**Assignee(s):** JAROSLAV DVORAK**Inventor(s):** (std): DVORAK JAROSLAV**Inventor(s):** JAROSLAV DVORAK

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 CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN 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 PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

78) Family number: 59061649 (US2015107166A)

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Title: SYSTEMS AND METHODS FOR PROVIDING BASE ISOLATION AGAINST SEISMIC ACTIVITY

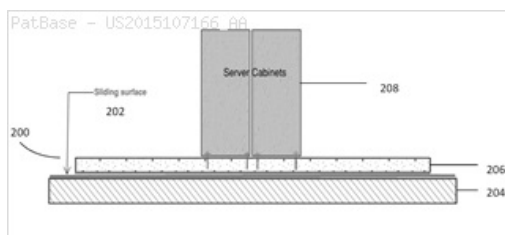
Abstract: A seismic isolation system including a base plate having a textured top surface and a top plate positioned above the base plate having a non-textured bottom surface, wherein desired coefficients of static and kinetic friction between the top plate and the base plate prevent relative movement of the two plates with normal operation and yet allow the top plate to move relative to the base plate during a seismic event. In one example, the sliding surface has a coating such as a polyester (e.g., polyester triglycidyl isocyanurate) or a low surface energy coating (e.g., silicone-epoxy coating). In another example, the seismic isolation system further includes a damping system comprising internal dampers within a concrete slab resting on the top plate to provide displacement control.

Classifications:

International (IPC 8-9): E04B1/98 E04B5/43 E04F15/024 E04F15/22 E04H9/02 F16M13/00 (Advanced/Invention); E04F15/22 (Advanced/Non-invention)

CPC: E04F15/024 E04F15/225 E04B1/98 E04B1/985 E04B5/43 E04F15/22 E04H9/02 E04H9/021

US: 1/1 52/167.4 52/167.9

**Family:**

Publication number	Publication date	Application number	Application date
CL2015002751 A1	20160415	CL20150002751	20150915
DE602014032791 D1	20181018	DE201460032791T	20141204
EP3080367 A2	20161019	EP20140869755	20141204
EP3080367 A4	20170712	EP20140869755	20141204
EP3080367 B1	20180919	EP20140869755	20141204
PE16912015 A1	20151210	PE20150002030	20141204
TR201819353 T4	20190121	TR20180019353T	20141204

US2015107166 AA	20150423	US20130106240	20131213
US2015300013 AA	20151022	US20140560798	20141204
US9097027 BB	20150804	US20130106240	20131213
US9334648 BB	20160510	US20140560798	20141204
WO15088879 A2	20150618	WO2014US68605	20141204
WO15088879 A3	20150813	WO2014US68605	20141204

Priority:

US20130793172P 20130315 US20130106240 20131213 EP20140869755 20141204
US20140560798 20141204 WO2014US68605 20141204

Probable Assignee: EQX GLOBAL LLC

Assignee(s): (std): DON CLYDE ; EQX GLOBAL LLC ; PAUL J SEGAS ; SEGAS PAUL J ; CLYDE DON

Assignee(s): CLYDE DON NAPA ; SEGAS PAUL J NAPA

Inventor(s): (std): DON CLYDE ; SEGAS PAUL J ; CLYDE DON

Inventor(s): CLYDE DON NAPA ; SEGAS PAUL J NAPA

Agent(s): ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; SAMSON AND PARTNER PATENTANWALTE MBB; ALI CAVUSOGLU; GREENBERG TRAURIG LLP; JAROSIK KEITH R ET AL

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 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

79) Family number: 35998663 (US2008264624A)

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Title: DOWNHOLE SENSOR ASSEMBLY

Abstract: In one aspect of the invention, a sensor assembly for incorporation into a downhole tool string comprises at least one sensor adapted to detect changes in magnetic flux proximate a first portion of the downhole tool string. A second portion of the downhole tool string comprises a characteristic that interferes with a magnetic reading of the at least one sensor. At least one magnetic focusing array is disposed on an outer diameter of the tool string, and the at least one magnetic focusing array reduces an effect on the sensor of the interfering characteristic of the second portion.

Classifications:

International (IPC 8-9): E21B47/00 E21B47/01 G01V3/00 G01V3/10 G01V3/18 G01V3/28 G01V3/30 H01F27/02 H01F27/29

H01F27/32 (Advanced/Invention);

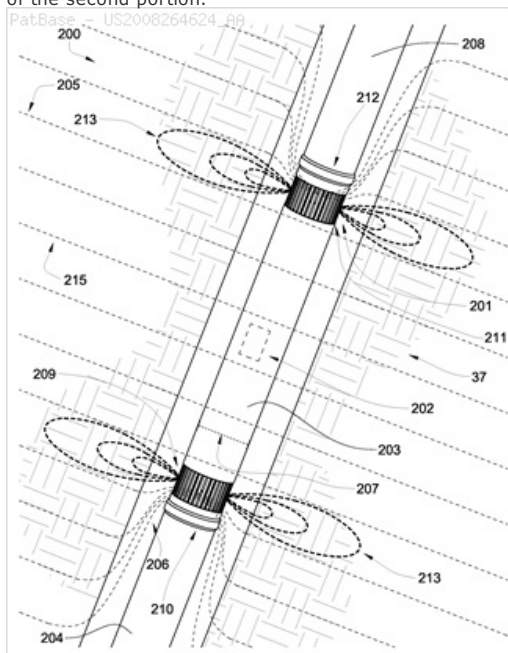
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CPC: G01V3/28 G01V3/26 E21B47/01 H01F27/365 H01F38/14

H01Q1/04 H04B5/0043 G01V11/002

European: E21B47/01 G01V11/00B G01V3/26 G01V3/28 H01Q1/04 H04B5/00P6 T01F27/36B T01F38/14

US: 166/66 166/66.5 166/66.500P 166/66P 324/333 324/338 324/338P 324/339 324/339P 324/343 324/343P 324/345 336/192 336/84M 336/84R 336/90



Family:

Publication number	Publication date	Application number	Application date
US2008264624 AA	20081030	US20080037803	20080226
US2008265892 AA	20081030	US20080041754	20080304
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US2010295547 AA	20101125	US20100846348	20100729
US2011068797 AA	20110324	US20100940828	20101105
US7265649 BA	20070904	US20070676494	20070219
US7301429 BA	20071127	US20070687891	20070319
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US7583085 BB	20090901	US20080037803	20080226
US7598742 BB	20091006	US20070776447	20070711

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Priority:

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US20090405880	20090317	US20090473416	20090528	US20090550501	20090831
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Probable Assignee: NOVADRILL INC

Assignee(s): (std): COOK CLINT ; DURRAND CHRISTOPHER ; FOX JOE ; GEORGE KATIE ; HALL DAVID R ; SHUMWAY JIM ; MILLS JAD A ; TURNER PAULA ; WILDE TYSON J ; SNYDER HAROLD L ; SNYDER HAROLD ; SNYDER JR HAROLD L ; SYNDER HAROLD L ; SCHLUMBERGER TECHNOLOGY CORP

Assignee(s): NOVATEK IP LLC ; NOVADRILL INC ; HALL DAVID R MR

Inventor(s): (std): DURRAND CHRISTOPHER ; HALL DAVID R ; FOX JOE ; TURNER PAULA ; WILDE TYSON J ; SHUMWAY JIM ; MILLS JAD A ; SNYDER JR HAROLD L ; TURNER PAULA ; SYNDER HAROLD L ; SYNDER HAROLD ; GEORGE KATIE ; SNYDER HAROLD ; COOK CLINT ; SNYDER HAROLD L

Inventor(s): SYNDER JR HAROLD L

Agent(s): TYSON J WILDE NOVATEK INT INC; TYSON J; WILDE TYSON J; MILLS JAD A; JAD A; HOLME ROBERTS AND OWEN LLP; HOLME ROBERTS AND OWEN LLC; BRINKS HOFER GILSON AND LIONE

80) Family number: 31576666 (US2008186205A)

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Title: WIRELESS SENSING AND COMMUNICATIONS SYSTEM OF ROADWAYS

Abstract: Driving condition monitoring system for a vehicle on a roadway includes stationary mounting structures arranged proximate the roadway, and sensors located in the mounting structures in a vicinity of the roadway and apart from the roadway. The sensors generate information about the roadway or an environment around the roadway. An arrangement on the vehicle or associated with the sensors initiates a transmission of the information generated by each sensor to the vehicle when the vehicle is proximate the sensor.

Classifications:

International (ipc 8-9): B60C23/02 B65D25/00 G01C21/26 G01C21/34 G01C21/36 G01F23/28 G01F23/296 G01M17/02 G01S21/26 G05D1/02 G05D13/02 G05D27/00 G06F17/30 G06F19/00 G06K9/00 G08G1/00 G08G1/048 G08G1/0967 G08G1/137 G08G1/16 (Advanced/Invention);

B60C23/02 B65D25/00 G01C21/26 G01F23/296 G01M17/02 G05D13/00 G05D27/00 G06F17/30 G06F19/00 G06K9/00 G08C15/00 G08G1/00 G08G1/048 G08G1/123 H01F10/00 H01L43/08 H04B7/15 H04B7/26 H04L12/28 H04L12/56 (Core/Invention)

CPC: B60N2002/0272 B60C11/246 B60C19/00 B60C23/007 B60C23/008 B60C23/0411 B60C23/0413 B60C23/0449 B60C23/0493 B60C23/0494 B60C23/0496 B60C23/12 B60N2/002 B60N2/015 B60N2/0232 B60N2/0244 B60N2/0248 B60N2/0252 B60N2/0276 B60N2/067 B60N2/28 B60N2/2806 B60N2/2863 B60N2002/0268 B60Q2900/30 B60R16/037 B60R21/013 B60R21/0134 B60R21/0136 B60R21/203 B60R21/21656 B60R21/276 B60R22/20 B60R22/201 B60R25/25 B60R25/252 B60R25/255

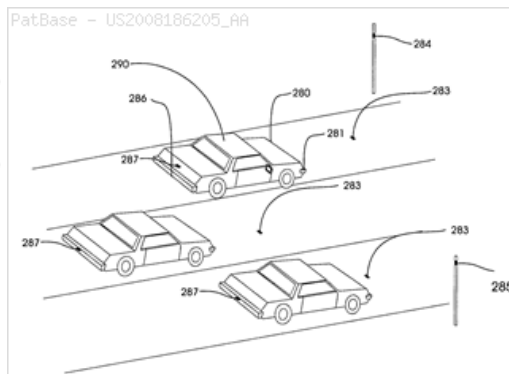
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European: B60C11/24 B60C19/00 B60C23/00D2 B60C23/00D3 B60C23/04C3 B60C23/04C3A B60C23/04C3C B60C23/04C6D2B B60C23/04E1 B60C23/04E2 B60C23/04E3 B60C23/12 B60N2/00C B60N2/015 B60N2/02B4 B60N2/02B6 B60N2/02B6B B60N2/02B6C B60N2/02B6W B60N2/06S B60N2/28 B60N2/28B2 B60N2/28P4 B60N2/48C2C B60N2/48C3C B60N2/48W B60N2/66 B60R16/037 B60R21/013 B60R21/0136 B60R21/015 B60R22/20 B60R25/04 B60R25/102 B60R25/20R B60R25/25 B60R25/25B B60R25/25D B60R25/25F B60R25/30D B82Y10/00 B82Y25/00 G01D21/00 G01F23/00G1A G01F23/20 G01F23/296D G01G17/04 G01G19/414A G01G23/00D G01R33/09B G01S13/75C4 G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/02D G01S17/88 G01S17/00R G01S7/41D G01S7/48A G01S7/539 G06F3/023M G06F3/023M8 G06F3/023P G06F3/02A5 G06K9/00H G06K9/00V7 G07C5/00T G07C5/08D G08B13/14D G08B13/24B5T G08B13/24B7D G08B21/02A26 G08B29/18A G08G1/017 G08G1/0967A1 G08G1/0967B3 G08G1/0967C2 G08G1/16A H01Q1/22C8 H01Q1/22E H01Q1/32L10 H03H9/64D L60N2/02B6S L60Q300/420 L60Q300/420 L60Q900/30 L60R1/12C L60R1/12G L60R21/00C L60R21/0132 L60R21/0134 L60R21/013R L60R21/015G2 L60R21/015G6 L60R21/015G6B L60R21/015G6D L60R21/015G6F L60R21/015G6H L60R21/015G7 L60R21/015G8 L60R21/015G8C L60R21/015G8E L60R21/015G9 L60R21/015J L60R21/01H3Y L60R21/203 L60R21/2165S L60R21/231M L60R21/26V L60R21/276 L60R21/276L L60R22/20B L60R22/20R L60R22/28L L60R22/46L L60R22/48B2 L60R325/30D P05Y900/550 S01S13/04 S01S15/04 S01S15/06 S01S15/42 S01S15/87 S01S15/88 S01S17/02D S01S17/89 S01S7/41D S01S7/48A S01S7/539 S06K9/00H1 S07C5/00T S10K210/1282 S10K210/3219 S11B5/39C1E S11B5/39C1H2 S11B5/39W

US: 1/1 220/694 220/694S 340/442 340/901 340/901P 340/995.1 370/238P 382/104 382/104S 701/117 701/117P 701/117S 701/201 701/201S 701/202 701/202S 701/208 701/209 701/209S 701/25 701/25P 701/300 701/300S 701/301 701/301S 701/423 701/428 701/428S 701/472 701/472S 73/146 73/146.5 73/146.500P 73/290.00V 73/290.00VP 73/290V

Family:

Publication number	Publication date	Application number	Application date
US2008186205 AA	20080807	US20080062099	20080403



US2008215202 AA	20080904	US20080061916	20080403
US2008215231 AA	20080904	US20080059456	20080331
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US2008236275 AA	20081002	US20070865363	20071001
US7603894 BB	20091020	US20070928763	20071030
US7819003 BB	20101026	US20070865363	20071001
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Priority:

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Probable Assignee: INTELLIGENT TECHNOLOGIES INT INC

Assignee(s): (std): AMERICAN VEHICULAR SCIENCES LLC ; AUTOMOTIVE TECH INT ; INTELLIGENT TECH INT INC ; BREED DAVID S

Assignee(s): ALPS ELECTRIC CO ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; FUJITSU LIMITED ; INTELLIGENT TECHNOLOGIES INT INC ; INTELLIGENT TECHNOLOGIES INT ; INTELLIGENT TECHNOLOGIES INTERNATIONAL INC

Inventor(s): (std): JOHNSON WENDELL C ; DUVALL WILBUR E ; BREED DAVID S

Agent(s): BRIAN ROFFE ESQ; BRIAN; MCANDREWS HELD AND MALLOY LTD

81) Family number: 50927673 (US2012089299A)

PatBase

Title: WIRELESS TRANSMISSION SYSTEM FOR VEHICULAR COMPONENT CONTROL AND MONITORING

Abstract: Vehicle with wireless sensors includes a frame, at least one sensor assembly fixed to the frame and each including a sensor arranged to obtain data about a condition or property of the vehicle or part thereof or an environment in or around the vehicle, and a wireless transmission component coupled to the sensor for wirelessly transmitting a signal derived from the data obtained by the sensor, a receiver fixed to the frame arranged to receive signals from the wireless transmission component, and a reactive component for performing an action based on the data obtained by the sensor and transmitted from the wireless transmission component to the receiver. The data can be displayed as an indication to the driver or other occupant of the vehicle, relayed the data to a remote location for analysis or response and/or used to determine adjustment or control a component in the vehicle.

Classifications:

International (IPC 8-9): B60Q1/00 G06F7/00 (Advanced/Invention)

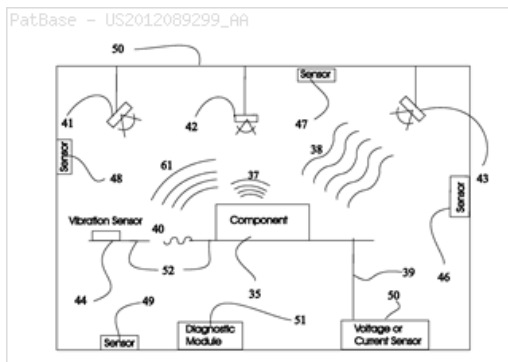
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European: B60C11/24 B60C19/00 B60N2/00C B60N2/015 B60N2/02B4 B60N2/02B6 B60N2/02B6B B60N2/02B6C B60N2/02B6W B60N2/06S B60N2/28 B60N2/28B2 B60N2/28P4 B60N2/48C2C B60N2/48C3C B60N2/48W B60N2/66 B60Q1/00T B60R16/037 B60R21/013 B60R21/0136 B60R21/015 B60R22/20 B60R25/25 B60R25/25B B60R25/25D B60R25/25F B60T7/22 E05F15/00B6B E05F15/00B6B2 G01F23/00G1A G01F23/20 G01F23/296D G01G19/414A G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/02D G01S17/88 G01S7/41D G01S7/48A G01S7/539 G06F3/023M G06F3/023M8 G06F3/023P G06F3/02A5 G06K9/00H G06K9/00V G06K9/00V7 G07C5/00T G07C5/08D G07C5/08R2 G08B13/14D G08B13/24B5T G08B13/24B7D G08B21/02A26 G08B29/18A H01Q1/32L10 L60N2/02B6S L60Q900/30 L60R1/12C L60R1/12G L60R21/00C L60R21/0132 L60R21/0134 L60R21/013R L60R21/015G2 L60R21/015G6 L60R21/015G6B L60R21/015G6D L60R21/015G6F L60R21/015G6H L60R21/015G7 L60R21/015G8 L60R21/015G8C L60R21/015G8E L60R21/015G9 L60R21/015J L60R21/01H3Y L60R21/203 L60R21/2165S L60R21/231M L60R21/26V L60R21/276 L60R21/276L L60R22/20B L60R22/20R L60R22/28L L60R22/46L L60R22/48B2 P05F15/00B6B5R P05Y400/458 P05Y400/616 P05Y400/66 P05Y400/664 P05Y900/516 P05Y900/542 P05Y900/550 S01S13/04 S01S15/04 S01S15/06 S01S15/88 S01S17/89 S10K210/1282 S10K210/3219

US: 340/438 340/539.22 340/693.1 701/1 701/1S 701/36 701/36P

Family:

Publication number Publication date Application number Application date



US2012089299 AA	20120412	US20070681834	20070305
US8169311 BA	20120501	US20070681834	20070305

Priority:

US19990170973P	19991215	US20000645709	20000824	US20000231378P	20000908
US20010765558	20010119	US20010269415P	20010216	US20010291511P	20010516
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US20030613453	20030703	US20030642028	20030815	US20030701361	20031104
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Probable Assignee: AUTOMOTIVE TECHNOLOGIES INT INC

Assignee(s): (std): AUTOMOTIVE TECH INT ; BREED DAVID S

Assignee(s): AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC

Inventor(s): (std): BREED DAVID S

Agent(s): BRIAN

82) Family number: 73433714 (WO19043446A1)

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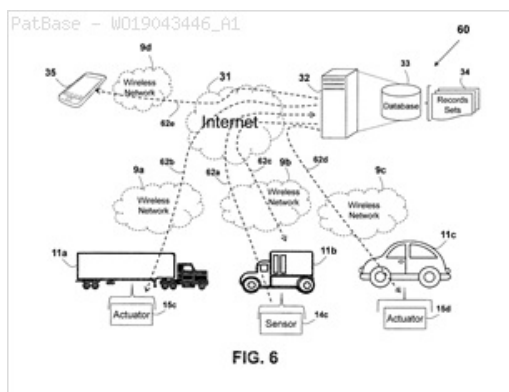
Title: A METHOD AND APPARATUS FOR COLLECTING AND USING SENSOR DATA FROM A VEHICLE

Abstract: A road hazard, such as a traffic collision, traffic regulation violation, road surface damage, or any other traffic obstruction, is detected by a sensor in a vehicle. The sensor data is sent periodically, or upon detecting the anomaly, to a server over the Internet via a first wireless network, together with a vehicle identifier (Vehicle Identification Number (VIN) or the license plate number) and its GNSS or GPS geographic location. The server analyzes the sensor data, and in response sends a notification message to a client device, such as a smartphone, or to a group of vehicles in close vicinity to the first vehicle, via a wireless network over the Internet. The received message may be used by each of the vehicles in the group for controlling, limiting, activating, or otherwise affecting an actuator operation, or may be used for notifying the driver using a dashboard display.

Classifications:

International (IPC 8-9): G08G1/00 G08G1/16 (Advanced/Invention)

CPC: G05D1/0287 G07C5/008 G08G1/164 G08G1/205



Family:

Publication number	Publication date	Application number	Application date
WO19043446 A1	20190307	WO2018IB00804	20180725

Priority:

US20170553936P 20170904

Probable Assignee: NNG SOFTWARE DEV AND COMMERCIAL LLC

Assignee(s): (std): NNG SOFTWARE DEV AND COMMERCIAL LLC

Assignee(s): NNG SOFTWARE DEVELOPING AND COMMERCIAL LLC

Inventor(s): (std): KERECSEN TAMAS

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 JO JP KE KG KH 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

83) Family number: 54628730 (US2015122969A)

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Title: SEISMIC ISOLATION STRUCTURE FOR HEAVY OBJECTS, AND SEISMIC ISOLATION METHOD

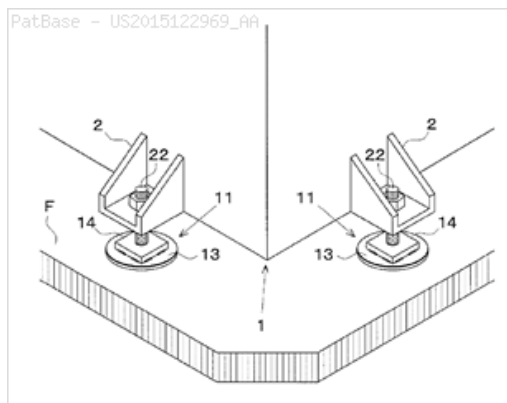
Abstract: [Problem] To prevent, using a simple seismic isolation structure, vibration, noise, and toppling of a heavy object installed on a floor surface where anchor bolts cannot be used. [Solution] In a seismic isolation structure 11 for a machine 1, plastically deformable support bodies 16 are embedded in a gel-like elastic body 15 of a vibration-damping pad 12. A bottom-surface adhesive layer of the gel-like elastic body 15 is bonded to the floor surface, and a pressurizing plate 13 is bonded to a top-surface adhesive layer of the gel-like elastic body 15. The pressurizing plate 13 bears weight of the machine 1 and uniformly applies pressure to the entire vibration-damping pad 12. The base 21 of a holder 14 is welded to the upper surface of the pressurizing plate 13; a bolt 22 erected on the base 21 is caused to penetrate a through-hole 3 of a leg section 2; and the leg section 2 is restrained on the pressurizing plate 13 by the holder 14 from moving laterally.

Classifications:

International (IPC 8-9): F16F15/02 F16F15/023 F16F15/04 F16F15/08

F16F15/22 F16M13/00 F16M7/00 (Advanced/Invention)

CPC: E02D27/38 F16M7/00 F16F15/023 F16F15/22 F16M13/00



Family:

Publication number	Publication date	Application number	Application date
CN104321556 A	20150128	CN201380010644	20130221
JP2013125231 A1	20150730	JP20140500595T	20130221
US2015122969 AA	20150507	US20130380562	20130221
WO13125231 A1	20130829	WO2013JP00992	20130221

Priority:

JP20120036034 20120222 JP20140500595 20130221 WO2013JP00992 20130221

Probable Assignee: ANSHIN CO LTD

Assignee(s): (std): ANSHIN CO LTD ; SUGITA KIKUO

Assignee(s): ANSHIN CO

Inventor(s): (std): SUGITA KIKUO ; MURASE SHINJI

Agent(s): MIZUNO YUKEI

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 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 PA PE PG PH PL PT QA RO RS RU RW 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

84) Family number: 32482739 (US2005281999A)

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Title: STRUCTURAL AND OTHER COMPOSITE MATERIALS AND METHODS FOR MAKING SAME

Abstract: In accordance with the present invention, structural and other composite materials have been developed which have superior performance properties, including high compressive strength, high tensile strength, high shear strength, and high strength-to-weight ratio, and methods for preparing same. Invention materials have the added benefits of ease of manufacture, and are inexpensive to manufacture. The superior performance properties of invention materials render such materials suitable for a wide variety of end uses. For example, a variety of substances can be applied to invention materials without melting, dissolving or degrading the basic structure thereof. This facilitates bonding invention materials to virtually any surface or substrate. Moreover, the bond between invention materials and a variety of substrates is exceptionally strong, rendering the resulting bonded article suitable for use in a variety of demanding applications. Invention materials can be manufactured in a wide variety of sizes, shapes, densities, in multiple layers, and the like; and the performance properties thereof can be evaluated in a variety of ways.

Classifications:

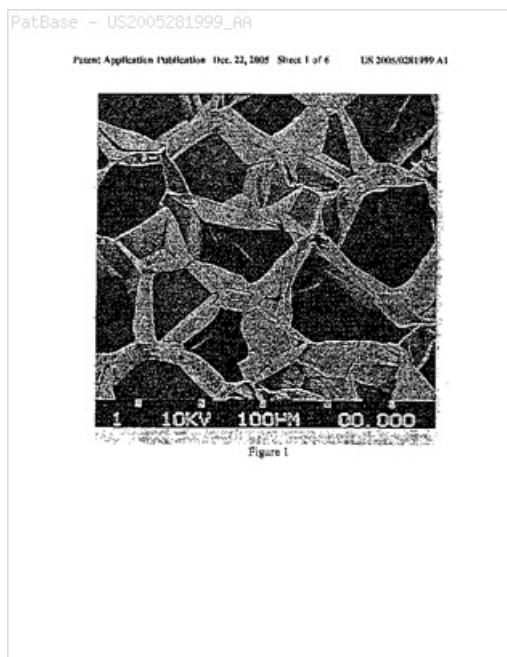
International (IPC 8-9): B29C44/56 B29C67/24 B29C70/66 B32B27/00 B32B3/26 B32B5/18 B32B5/30 B32B9/00 C08G18/32 C08G18/76 C08J3/20 C08J5/04 C08J5/24 C08J9/00 C08J9/02 C08J9/236 C08J9/35 C08J9/40 C08K3/00 C08K5/00 C08K7/24 C08L101/00 C08L25/06 C08L75/04 (Advanced/Invention); B29C44/34 B29C67/24 B29C70/00 C08J9/00 C08K3/00 C08K5/00 C08K7/00 C08L101/00 C08L75/00 (Core/Invention); E04C (Subclass/Invention)

International (IPC 1-7): B32B27/00 B32B3/26 B32B5/22 B32B9/00 C08J5/24 C08J9/00 C08J9/35 C08J9/36 C08J9/42 E04C1/00

CPC: B29C44/5618 B29C67/24 B29C70/66 C08J9/236 C08J9/405 Y10T428/249953 Y10T428/249967 Y10T428/249987 Y10T428/249991 B32B2305/026 B32B2038/0076 B32B2266/0228 B32B2266/025 B32B2419/00 B32B5/18 B32B5/30 B32B2305/08 B32B2307/546

European: B29C44/56D B29C67/24 B29C70/66 B32B5/18 B32B5/30 C08J9/236 C08J9/40F

US: 264/271.1 264/271.100S 264/46.4 264/46.400S 428/304.4 428/304.400P 428/312.2 428/312.200S 428/318.4 428/318.400S 428/319.3 428/319.300S



Family:

Publication number	Publication date	Application number	Application date
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US2005281999 AA	20051222	US20050061301	20050217
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WO04081311 A3	20050407	WO2004US07800	20040312
WO05118275 A2	20051215	WO2005US15870	20050506
WO05118275 A3	20060309	WO2005US15870	20050506

Priority:

US20030388295 20030312 US20040799366 20040312 WO2004US07800 20040312
US20040840947 20040507 US20040918663 20040812 US20040947647 20040922
US20050061301 20050217

Probable Assignee: PETRITECH INC

Assignee(s): (std): ACKERT BRUCE ; COLLINS CRAIG K ; DYLAN TYLER M ; HOFFMAN RAY F ; MEIROWITZ RANDY E ; PETRITECH INC

Assignee(s): HOFMANN RAY F

Inventor(s): (std): MEIROWITZ RANDY E ; DYLAN TYLER M ; HOFFMANN RAY F ; HOFMANN RAY F ; ACKERT BRUCE ; COLLINS CRAIG K ; COLLINS ; RANDY E MEIROWITZ ; RAY F HOFMANN ; CRAIG K COLLINS ; TYLER M DYLAN ; BRUCE ACKERT ; HOFFMANN RAY F ACKERT BRUCE CO ; HOFFMAN RAY F

Inventor(s): HOFFMANN RAY F ACKERT BRUCE COLLINS CRAIG K MEIROW ; ACKER BRUCE ; HOFFMAN RAY K

Agent(s): SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; CLARKE; FOLEY AND LARDNER

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE 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

85) Family number: 64825747 (US2018147776A)

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Title: METHOD FOR PRODUCING PHOTOCURED THREE-DIMENSIONAL STEREOSCOPIC SHAPED OBJECT

Abstract: A process for producing a photocured three-dimensional stereoscopic shaped object includes ejecting and applying a droplet of a photocurable resin composition (A) having a viscosity of 20 mPa·s to 500 Pa·s at 23 degrees centigrade using a non-contact dispenser, wherein the droplet has a volume of 1 nL or more.

Classifications:

International (IPC 8-9): B29C64/112 B29C64/209 B29C64/227 B29C67/00 B33Y10/00 B33Y70/00 C08F20/06 C08F290/00 C08G59/17 C08G71/04 C08G77/20 C09D133/10 (Advanced/Invention)

CPC: B33Y10/00 B29C64/112 B29C64/227 C08F20/06 B29L2011/00 C08G71/04 C08G77/20 C08G59/1466 C08F2438/00 C08G2650/16 C08G2650/24 C09D175/16 B33Y70/00 C09D133/10 C08F290/046 C08F2438/01 C08L63/10 C08F120/18

US: 1/1 264/308

Family:

Publication number	Publication date	Application number	Application date
JP2017018525 A1	20180524	JP20170530945T	20160729
US2018147776 AA	20180531	US20180882186	20180129
WO17018525 A1	20170202	WO2016JP72364	20160729

Priority:

JP20150149905 20150729 WO2016JP72364 20160729

Probable Assignee: KANEKA CORP

Assignee(s): (std): KANEKA CORP

Inventor(s): (std): KOTANI JUN

Agent(s): USFI PATENT ATTORNEYS INT OFFICE; UEKI KYUICHI ET AL

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 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

86) Family number: 66945748 (US2019002617A)

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Title: RADICALLY CURABLE COMPOSITION AND CURED PRODUCT THEREOF

Abstract: A radically curable composition includes 100 parts by weight of a (meth)acrylic polymer (I) with an average of at least 0.8 radically-crosslinkable groups, 0.01 to 10 parts by weight of a radical polymerization initiator (II), and 10 to 100 parts by weight of a (meth)acrylate compound (III) having a rosin ester group.

Classifications:

International (IPC 8-9): C08F290/04 C08F290/12 C08F299/00 C08F299/02 C09J11/06 C09J133/00 C09J133/04 C09J4/02 C09J4/06 C09J7/38 F16F1/36 F16F15/02 F16F15/08 F16F7/12 (Advanced/Invention)
CPC: C08F8/26 C08F120/18 C08F220/18 C08F290/046 C08F2222/1026 C08F2438/01 C08F2810/30 C08F2810/40 C09J4/06 C09J133/08 F16F15/02 C08F290/126 C08F2810/20 C09J7/385 C09J2451/00 F16F1/3605 F16F7/12 F16F2224/0233 F16F2224/0241
US: 1/1 525/74

Family:

Publication number	Publication date	Application number	Application date
JP2017154660 A1	20190110	JP20180504391T	20170228
US2019002617 AA	20190103	US20180125422	20180907
WO17154660 A1	20170914	WO2017JP07693	20170228

Priority:

JP20160046087 20160309 WO2017JP07693 20170228 US20180125422 20180907

Probable Assignee: KANEKA CORP

Assignee(s): (std): KANEKA CORP

Inventor(s): (std): KOTANI JUN

Agent(s): PATENT CORPORATE BODY ARCO PATENT OFFICE

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 KH 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

87) Family number: 33813750 (US2006263557A)

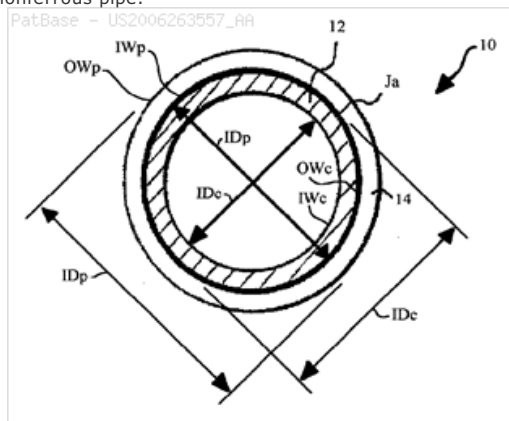
© PatBase

Title: COMPOSITE PIPE

Abstract: A sleeved composite pipe or piling structure formed of an elongated polyethylene pipe or tube of high-density polyethylene (HDPE) or another polyethylene material installed over a substantially rigid and incompressible hollow metal pipe or solid wood core having an outer diameter that is the same or slightly larger than a normal inside diameter of the polyethylene pipe or tube when measured in a relaxed state at ambient temperature. The polyethylene pipe or tube is, for example, a HDPE 3408 material formed of virgin PE 3408 resin as specified in ASTM D3350 with UV protection, and the pipe is produced to ASTM A-3408. The metal pipe core can be ferrous or nonferrous pipe.

Classifications:

International (IPC 8-9): B23P11/02 B23P19/02 B32B1/08 E02D5/22 E02D5/60 E02D5/64 F16L9/14 (Advanced/Invention); B23P19/02 B32B1/00 E02D5/22 F16L9/00 (Core/Invention)
CPC: Y10T29/49865 Y10T29/49945 Y10T428/1352 Y10T428/1393 B32B1/08 B29C63/18 B32B3/30 B32B15/085 B32B15/18 B32B27/32 B32B2250/02 B32B2250/44 B32B2274/00 B32B2307/30 B32B2307/306 B32B2307/51 B32B2307/538 B32B2307/54 B32B2307/554 B32B2307/71 B32B2307/714 B32B2307/738 B32B2597/00 F16L9/147
European: B29C63/18 B32B1/08 B32B15/085 B32B15/18 B32B27/32 B32B3/30 F16L9/147 L32B250/02 L32B250/44 L32B274/00 L32B307/300 L32B307/306 L32B307/510 L32B307/538 L32B307/540 L32B307/554 L32B307/710 L32B307/714 L32B307/738 L32B597/00
US: 138/140 29/447 29/525 29/525P 405/211.1 405/216 428/35.7 428/35.700S 428/36.91 428/36.910P



Family:

Publication number	Publication date	Application number	Application date
US2006263557 AA	20061123	US20050132928	20050518
US2008016671 AA	20080124	US20070904873	20070928
US2010116373 AA	20100513	US20100657079	20100113
US7563496 BB	20090721	US20050132928	20050518
US7987576 BB	20110802	US20070904873	20070928
US8341820 BB	20130101	US20100657079	20100113

Priority:

US20050132928 20050518 US20070904873 20070928 US20100657079 20100113

Probable Assignee: WATSON WILLIAM R

Assignee(s): (std): WATSON WILLIAM R

Inventor(s): (std): WATSON WILLIAM R

Inventor(s): WATSON WILLIAM

Agent(s): CHARLES J RUPNICK; CHARLES J; CHARLES J RUPNICK ATTORNEY AT LAW

88) Family number: 48319761 (US2011036560A)

© PatBase

Title: LONG-LASTING HYDRAULIC SEALS FOR SMART SHUTTLES, FOR COILED TUBING INJECTORS, AND FOR PIPELINE PIGS

Abstract: A well conveyance apparatus for conveying equipment into a wellbore possessing long-lasting movable and slidable hydraulic seals against the interior of a borehole casing located within a wellbore in a geological formation in the earth that is caused to move by the application of pressurized wellbore fluids against the seals. The seals are allowed to rotate on bearings about the tool mandrel to prevent the build-up of torque on the seals to minimize wear and to extend the life of the seals. Vibratory means are attached to the tool mandrel to vibrate the sealing portion of the seals, so as the

extend the life of the seals and to minimize wear of the seals. Sensor arrays provide information to a computer system that is used to control the vibratory means, pressure relief valves, and other parameters to minimize wear of the hydraulic seals.

Classifications:

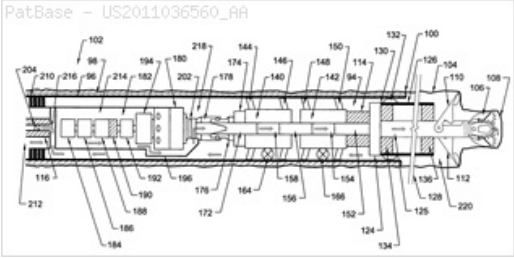
International (IPC 8-9): B05D7/00 B05D7/14 B05D7/24 C08G18/16 C08G18/20 C08G18/22 C08G18/62 C08G18/79 C09D175/04 C09D175/06 C09D175/14 C09D201/06 C09D7/12 E21B10/00 E21B19/00 E21B21/08 E21B21/10 E21B21/12 E21B23/08 E21B28/00 E21B3/00 E21B33/10 E21B4/02 E21B7/00

F04C2/107 (Advanced/Invention)

CPC: E21B4/18 E21B19/18 E21B21/10 E21B23/10 E21B33/126 E21B28/00 E21B47/01 E21B2033/005 E21B7/203 C09D175/04 E21B10/00 E21B33/10 E21B4/02 Y10T428/31551 E21B7/00 E21B17/18 E21B43/045 C08G18/165 C08G18/168 C08G18/2027 C08G18/222 C08G18/6225 C08G18/792 B05D7/534 B05D7/544 E21B21/08 E21B21/103 E21B21/12 E21B23/08 E21B3/00

European: C08G18/16B4D C08G18/16D4 C08G18/20D4 C08G18/22D C08G18/62G5D C08G18/79D4 C09D175/04 E21B10/08 E21B19/18 E21B21/08 E21B21/10 E21B23/10 E21B28/00 E21B33/126 E21B4/02 E21B4/18 E21B47/01 E21B7/20B2 P21B33/00S

US: 1/1 166/119 166/177.6 166/177.600S 166/87.1 166/87.100P 175/100 175/107 175/25 175/371 175/371S 175/57 175/57P 175/65 175/65S 175/94 277/336 277/336S 418/48 418/48S 427/407.1 428/423.1 524/507 524/558



Family:

Publication number	Publication date	Application number	Application date
AU2012230533 AA	20120927	AU20120230533	20120315
AU2012230533 AA	20130919	AU20120230533	20120315
AU2012230533 BB	20140828	AU20120230533	20120315
BR112013023578 A2	20161206	BR20131123578	20120315
CA2837082 AA	20131121	CA20122837082	20120523
DE502012002115 D1	20150305	DE201250002115T	20120315
DE602012027158 D1	20170209	DE201260027158T	20120523
EP2686362 A1	20140122	EP20120708548	20120315
EP2686362 B1	20150114	EP20120708548	20120315
EP2715031 A1	20140409	EP20120789232	20120523
EP2715031 A4	20151125	EP20120789232	20120523
EP2715031 B1	20161228	EP20120789232	20120523
ES2530665 T3	20150304	ES20120708548T	20120315
JP2014510174 T2	20140424	JP20140500329T	20120315
JP6071993 B2	20170201	JP20140500329T	20120315
MX2013010492 A1	20131017	MX20130010492	20120315
US2011036560 AA	20110217	US20090653740	20091217
US2011214920 AA	20110908	US20110068133	20110502
US2012234603 AA	20120920	US20120506887	20120522
US2014162074 AA	20140612	US20120006024	20120315
US2015292265 AA	20151015	US20150697506	20150427
US2015315863 AA	20151105	US20150707937	20150508
US2017175468 AA	20170622	US20170452534	20170307
US2017356247 AA	20171214	US20170687744	20170828
US2019136652 AA	20190509	US20190238025	20190102
US8651177 BB	20140218	US20090653740	20091217
US9027673 BB	20150512	US20110068133	20110502
US9051781 BB	20150609	US20120506887	20120522
US9206330 BB	20151208	US20120006024	20120315
US9587435 BB	20170307	US20150707937	20150508
US9745799 BB	20170829	US20150697506	20150427
US10174572 BB	20190108	US20170452534	20170307
US10294723 BB	20190521	US20170687744	20170828
WO11140426 A1	20111110	WO2011US35496	20110506
WO12126796 A1	20120927	WO2012EP54546	20120315
WO12162408 A1	20121129	WO2012US39172	20120523

Priority:

US20010313654P	20010819	US20020353457P	20020131	US20020367638P	20020326
US20020384964P	20020603	US20020223025	20020815	US20020432045P	20021208
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US20030523894P	20031120	US20030729509	20031204	US20030532023P	20031222
US20040535395P	20040110	US20040800443	20040314	US20050661972P	20050314
US20050665689P	20050328	US20050669940P	20050409	US20060761183P	20060123
US20060794647P	20060424	US20070005105	20071222	US20080189253P	20080815
US20080190472P	20080828	US20080192802P	20080922	US20090274215P	20090813
US20090583240	20090817	US20090653740	20091217	US20100395081P	20100506
US20100396030P	20100519	US20100396420P	20100525	US20100396940P	20100605
US20100397848P	20100616	US20100399110P	20100706	US20100399938P	20100720
US20100401974P	20100819	US20100404970P	20101012	US20100455123P	20101013
US20100456986P	20101115	US20100453403P	20101122	US20100458403P	20101122
US20100458490P	20101124	US20100459896P	20101220	US20100460053P	20101223
US20110461266P	20110114	US20110462393P	20110202	EP20110158846	20110318
US20110453986P	20110318	US20110465608P	20110322	US20110517218P	20110415
US20110068133	20110502	US20110519487P	20110523	US20110573631P	20110908
US20110629000P	20111112	US20120633776P	20120218	EP20120708548	20120315
US20120006024	20120315	WO2012EP54546	20120315	US20120687394P	20120424
US20120688726P	20120518	US20120506887	20120522	EP20120789232	20120523
WO2012US39172	20120523	US20150697506	20150427	US20150707937	20150508
US20170452534	20170307	US20170687744	20170828	US20190238025	20190102

Probable Assignee: SMART DRILLING AND COMPLETION INC

Assignee(s): (std): BASF COATINGS GMBH ; CHITWOOD JAMES E ; DEKLE ROBERT I ; DEKLE ROBERT L ; HOFFMANN PETER ; VAIL III WILLIAM BANNING ; SKERL DAMIR S ; VAIL WILLIAM BANNING III ; SKERI DAMIR S ; SMART DRILLING AND COMPLETION INC ; MOELLER BERNADETTE ; SCHNIER BENEDIKT ; SMART DRILLING AND COMPLETION ; WESTHOFF ELKE

Assignee(s): SMART DRILLING AND COMPLETION INC BOTHELL

Inventor(s): (std): VAIL III WILLIAM BANNING ; SKERL DAMIR S ; CHITWOOD JAMES E ; DEKLE ROBERT L ; VAIL WILLIAM BANNING III ; SKERI DAMIR S ; DEKLE ROBERT I ; MOLLER BERNADETTE ; SCHNIER BENEDIKT ; HOFFMANN PETER ; MOELLER BERNADETTE ; WESTHOFF ELKE

Inventor(s): BENEDIKT SCHNIER ; ELKE WESTHOFF ; PETER HOFFMANN ; BERNADETTE MOELLER ; VAIL WILLIAM BANNING III BOTHELL

Agent(s): GRIFFITH HACK; GOODWIN MCKAY; PARLEE MCLAWS LLP; RGTH RICHTER GERBAULET THIELEMANN HOFMANN PATENTANWAELTE PARTGMBB; LEIFERT AND STEFFAN; EVENS PAUL JONATHAN; CARVAJAL Y ISABEL; WILLIAM BANNING VAIL III; SHERIDAN ROSS PC; SERVILLA WHITNEY LLC; BLAKELY TODD P

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 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 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 PE PG PH PL PT QA RO RS RU RW 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

89) Family number: 52667773 (US2014291475A) © PatBase

Title: SEISMIC ISOLATION SYSTEMS

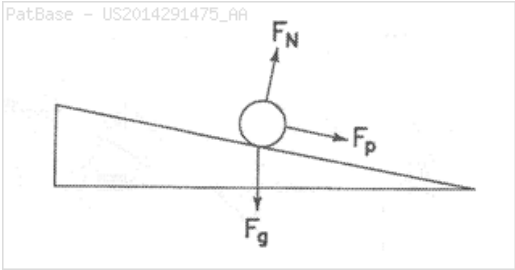
Abstract: Improved isolation flooring systems, and methods for their use are disclose for protecting a payload, such as heavy or delicate equipment (such as laboratory or computer equipment), from damage due to vibrations, such as seismic vibrations. In preferred embodiments, the invention is drawn to methods of isolating heavy and/or sensitive objects from the full acceleration of seismic vibrations.

Classifications:

International (IPC 8-9): E01D19/04 E04B1/98 E04H9/02 F16F15/02 F16F15/04 F16F15/10 F16M13/00 F16M13/02 (Advanced/Invention)

CPC: F16F15/02 E04B1/98 E04H9/023

US: 1/1 248/580



Family:

Publication number	Publication date	Application number	Application date
JP2014520980 T2	20140825	JP20140519035T	20120628
TW201315874 A	20130416	TW20120123647	20120629
TWI554668 B	20161021	TW20120123647	20120629
US2014291475 AA	20141002	US20120130069	20120628
US9399865 BB	20160726	US20120130069	20120628
WO13003614 A1	20130103	WO2012US44685	20120628

Priority:
US20110502523P 20110629 US20120130069 20120628 WO2012US44685 20120628

Probable Assignee: WORKSAFE TECHNOLOGIES

Assignee(s): (std): HUBBARD DON A ; HUBBARD DONALD A ; MORENO GIL A ; WORKSAFE TECH ; WORKSAFE TECHNOLOGIES

Inventor(s): (std): HUBBARD DONALD A ; MORENO GIL A ; HUBBARD DON A

Agent(s): ONDA MAKOTO; ONDA HIRONORI; STOUT UXA AND BUYAN LLP; CARLOS A; FISHER CARLOS A

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 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 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 PE PG PH PL PT QA RO RS RU RW 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

90) Family number: 56251789 (US2014103624A) © PatBase

Title: SINGLE SIDE CURTAIN AIRBAG FOR VEHICLES

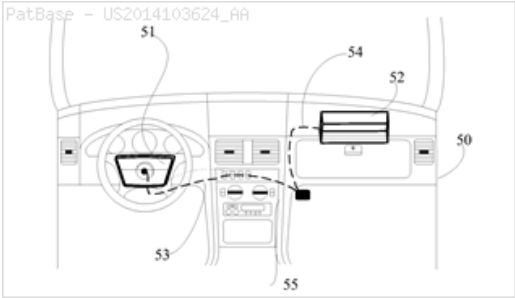
Abstract: Airbag inflator system includes an inflatable airbag, e.g., a side curtain airbag, a housing, a gas generating system arranged apart from the housing for generating gas, and a conduit leading from the gas generating system to the housing to provide gas to the housing, e.g., to a lateral end of the housing. A filter may be arranged between the gas generating system and the housing, possibly in the conduit. A nozzle may be arranged between the gas generating system and an interior of the airbag, which nozzle is varied as a function of temperature. The housing may be movably arranged relative to a fixed base and mounted to vary its relation to the base as a function of temperature, e.g., via elastic or deformable supports which support the housing on the base.

Classifications:

International (IPC 8-9): B60R21/0132 B60R21/206 B60R21/213 B60R21/214 B60R21/232 B60R21/235 B60R21/26 B60R21/264 B60R21/30 (Advanced/Invention); B60R21/00 B60R21/203 B60R21/231 B60R21/233 B60R21/239 B60R21/261 B60R21/263 (Advanced/Non-invention)

CPC: B60R21/0132 B60R21/2032 B60R21/206 B60R21/214 B60R21/232 B60R21/233 B60R21/235 B60R21/239 B60R21/26 B60R21/264 B60R21/30 B60R2021/0004 B60R2021/0006 B60R2021/23107 B60R2021/23153 B60R2021/23169 B60R2021/23192 B60R2021/23308 B60R2021/23316 B60R2021/23324 B60R2021/23504 B60R2021/23514 B60R2021/23519 B60R2021/23523 B60R2021/2612 B60R2021/2636 B60R21/16 B60R21/213

US: 280/728.3



Family:

Publication number	Publication date	Application number	Application date
US2014103624 AA	20140417	US20130053251	20131014
US9022417 BB	20150505	US20130053251	20131014

Priority:

US19950571247 19951212 US19980073403 19980506 US20010767020 20010123
US20010925062 20010808 US20020043557 20020111 US20040974919 20041027
US20050131623 20050518 US20070930330 20071031 US20130053251 20131014

Probable Assignee:

AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std):

AMERICAN VEHICULAR SCIENCES LLC

Inventor(s): (std):

BREED DAVID S

Agent(s):

MCANDREWS HELD AND MALLOY LTD

91) Family number: 57801789 (US2014340512A)

© PatBase

Title: DESIGNS OF AN AUTOMATIC IV MONITORING AND CONTROLLING SYSTEM

Abstract: When analyzing video frames captured for monitoring the IV dripping process, dew droplets could exist in the image. We discussed image processing methods to remove the dew droplets from the background, including computing the difference between frames and averaging to get a proper background image. We also discussed various methods to keep the temperature of some areas of the inner surface of the drip chamber to be above the dew points in order to prevent dew droplets' formation or to remove them. In the end we showed how video of the dripping process could be shown on external display(s) for devices enclosing the drip chamber inside.

Classifications:**International (IPC 8-9):** A61M5/14 A61M5/172

H04N7/18 (Advanced/Invention)

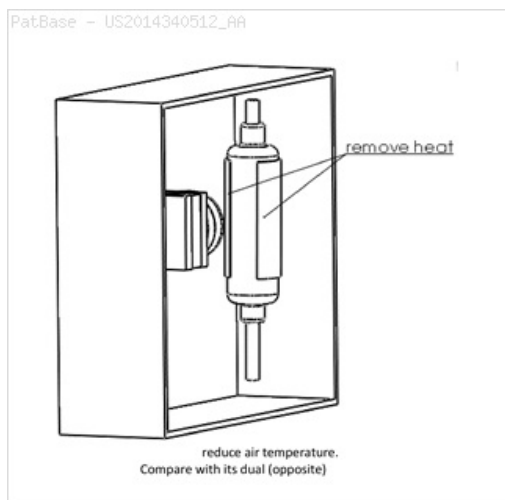
CPC: A61M5/1411 A61M2205/3306 A61M2205/3334 A61M5/1689

A61M5/44 A61M2205/3313 A61M2205/368 G06T7/11

G06T2207/20224 G06T7/194

US: 348/135

PatBase - US2014340512_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2014340512 AA	20141120	US20130897578	20130520
WO14187432 A1	20141127	WO2014CN82570	20140721
WO15010501 A2	20150129	WO2014CN78200	20140523

Priority:

US20130897578 20130520 US20130903924 20130528 WO2013IB56090 20130725
WO2013CN83091 20130908 WO2013CN86477 20131102 WO2013CN90173 20131221
WO2014CN73646 20140318 WO2014CN78354 20140523 WO2014CN79896 20140613
WO2014CN80023 20140616 WO2014CN80263 20140618 WO2014CN81922 20140709
WO2014CN82438 20140717

Probable Assignee: TAO KAI**Assignee(s):** (std): TAO KAI**Inventor(s):** (std): TAO KAI

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

92) Family number: 32156799 (US2007158133A)

© PatBase

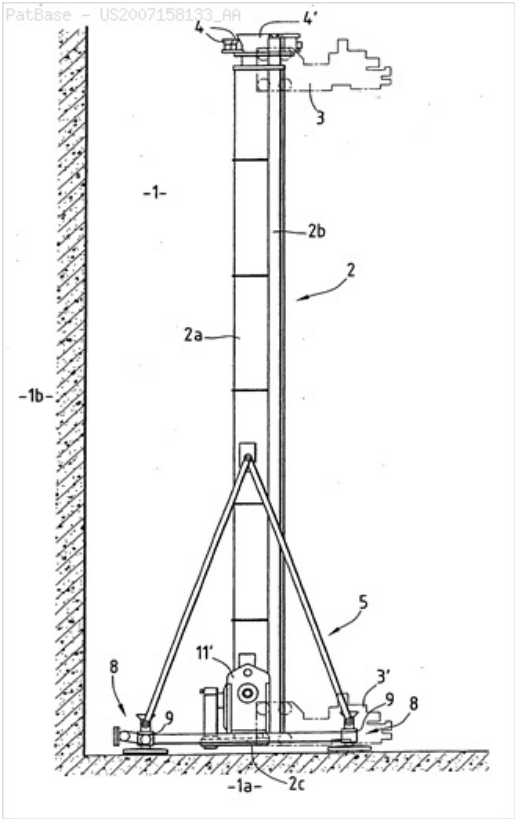
Title: ANTISEISMIC PAD, DEVICE FOR SUPPORTING A STRUCTURE AND USE THEREOF

Abstract: An antiseismic support pad having a base for supporting and holding the pad on a support surface, at least one spherical rolling element mounted to rotate freely about a center of rotation in a bearing secured to the support base, and a support plate resting on the spherical rolling element via a concave bearing surface, the pad being characterized by the fact that the support base comprises a soleplate secured to at least one bearing, configured to rest freely on the support surface and to hold the pad in place on the support surface without a fastener, and that the support pad includes an arrangement configured to suspend the support base from the support plate and move the base resiliently in radial directions about a support plate axis that is substantially perpendicular to the soleplate, the arrangement connected firstly to the support plate and secondly to the support base comprising the soleplate and the bearing.

Classifications:**International (IPC 8-9):** E04H9/02 F16F15/02 F16F15/04 G10K11/00

G21C17/06 G21C19/06 G21C19/07 (Advanced/Invention);

G21C13/024 G21C17/06 G21C19/06 G21C19/07 (Advanced/Non-invention);
E04H9/02 G10K11/00 G21C17/06 G21C19/02 (Core/Invention)
International (IPC 1-7): E04H9/02 G21C17/06 G21C19/07
CPC: E04H9/023
European: E04H9/02B3
US: 181/0.5 181/0.500P 188/378 248/621 248/638 267/136 52/167.6



Family:

Publication number	Publication date	Application number	Application date
AT361405 E	20070515	AT20040816405T	20041216
CN100445509 C	20081224	CN200480041131	20041216
CN1906369 A	20070131	CN200480041131	20041216
DE602004006315 D1	20070614	DE200460006315T	20041216
DE602004006315 T2	20071227	DE200460006315T	20041216
EP1709266 A1	20061011	EP20040816405	20041216
EP1709266 B1	20070502	EP20040816405	20041216
ES2281852 T3	20071001	ES20040816405T	20041216
FR2865755 A1	20050805	FR20040000919	20040130
FR2865755 B1	20060428	FR20040000919	20040130
JP2007524046 T2	20070823	JP20060550219T	20041216
JP4801597 B2	20111026	JP20060550219	20041216
KR20060129359 A	20061215	KR20067015508	20041216
US2007158133 AA	20070712	US20040587407	20041216
US7971692 BB	20110705	US20040587407	20041216
WO05083206 A1	20050909	WO2004FR03265	20041216

Priority:

FR20040000919 20040130 WO2004FR03265 20041216

Probable Assignee: AREVA NP

Assignee(s): (std): AREVA NP ; FRAMATOME ANP ; GEBELIN BERNARD

Inventor(s): (std): BERNARD GEBELIN ; GEBELIN BERNARD

Agent(s): KENYON AND KENYON LLP; DAVIDSON DAVIDSON AND KAPPEL LLC

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE 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

93) Family number: 58190802 (US2015007686A)

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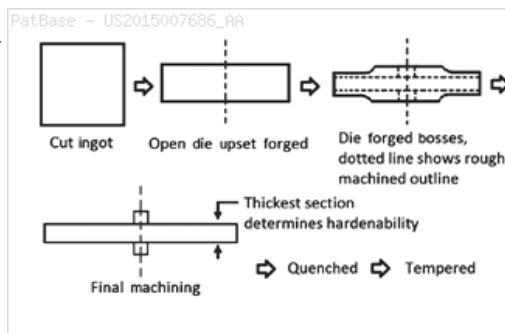
Title: METHOD FOR PRODUCING A KINETIC ENERGY STORAGE SYSTEM

Abstract: A flywheel energy storage system incorporates various embodiments in design and processing to achieve a very high ratio of energy stored per unit cost. The system uses a high-strength steel rotor rotating in a vacuum envelope. The rotor has a geometry that ensures high yield strength throughout its cross-section using various low-cost quenched and tempered alloy steels. Low-cost is also achieved by forging the rotor in a single piece with integral shafts. A high energy density is achieved with adequate safety margins through a pre-conditioning treatment. The bearing and suspension system utilizes an electromagnet that off-loads the rotor allowing for the use of low-cost, conventional rolling contact bearings over an operating lifetime of several years.

Classifications:

International (IPC 8-9): B21J1/06 B21K1/28 B21K1/32 C21D8/00 C21D9/00 C21D9/32 F03G3/08 F16F15/30 F16F15/31 F16F15/315 F16H33/02 G01L1/04 G01L1/22 G01L1/24 G01L5/00 G01M13/04 H02K1/28 H02K11/00 H02K11/20 H02K11/215 H02K15/02 H02K5/24 H02K7/00 H02K7/02 H02K7/08 H02K7/09 (Advanced/Invention);

B21K1/32 C21D8/00 C21D9/00 G01L1/24 G01L5/00 G01M1/14
H02K15/02 H02K16/00 H02K5/24 H02K7/00 H02K7/08 (Advanced/Non-
invention)
CPC: C21D9/00 C21D8/00 B21K1/28 B21J1/06 H02K7/09 B21K1/32
H02K5/24 H02K7/003 H02K7/025 H02K7/08 H02K16/00
Y10T29/49012 Y10T74/2119 G01L1/24 G01L5/0009 G01M1/14
G01M13/04 H02K11/20 H02K11/215 Y02E60/16 H02K15/02
US: 1/1 148/559 29/598 310/74 72/339 74/572.11



Family:

Publication number	Publication date	Application number	Application date
CA2917848 AA	20160108	CA20142917848	20140702
EP3020122 A2	20160518	EP20140823201	20140702
EP3020122 A4	20170524	EP20140823201	20140702
IN201617004095 A	20160729	IN201617004095	20160204
JP2016526872 T2	20160905	JP20160525386T	20140702
JP6461131 B2	20190130	JP20160525386T	20140702
US2015007686 AA	20150108	US20140322675	20140702
US2015008778 AA	20150108	US20140322749	20140702
US2015013148 AA	20150115	US20140322723	20140702
US2018069453 AA	20180308	US20170799683	20171031
US9136741 BB	20150915	US20140322749	20140702
US9735645 BB	20170815	US20140322675	20140702
US9899895 BB	20180220	US20140322723	20140702
WO15006136 A2	20150115	WO2014US45275	20140702
WO15006136 A3	20150312	WO2014US45275	20140702

Priority:

US20130843683P 20130708 US20140322675 20140702 US20140322749 20140702
US20140322723 20140702 WO2014US45275 20140702 US20170799683 20171031

Probable Assignee: SAINT AUGUSTIN CANADA ELECTRIC INC

Assignee(s): (std): QUANTUM ENERGY STORAGE CORP ; SAINT AUGUSTIN CANADA ELECTRIC INC

Assignee(s): DHARAN CHERUVARI KARTHIK HARI

Inventor(s): (std): DHARAN CHERUVARI KARTHIK HARI

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; DARCY JULIA; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI;
OSAKABE SUGURU; FOLEY AND LARDNER LLP; TRASKBRITT; HUNTER PAUL S ET AL

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

94) Family number: 41670806 (US2008082237A)

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Title: REAR IMPACT DETECTION METHOD AND SYSTEM

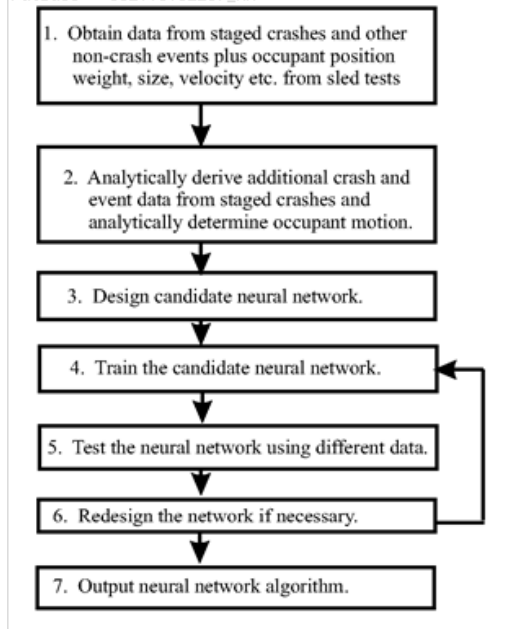
Abstract: Method and system for deploying an occupant restraint device in a vehicle includes arranging a sensor to detect a rear impact and deploying the occupant restraint device when the sensor detects the rear impact of sufficient magnitude to require deployment of the occupant restraint device to prevent injury to the occupant. The sensor may be a crush sensor which preferably extends across a major portion of the rear of the vehicle, an inertial sensor and/or an anticipatory sensor.

Classifications:

International (IPC 8-9): A47C31/00 B60R21/213 B60R21/232
B60R22/00 E05F15/00 G05D3/00 G06F7/00 (Advanced/Invention)
CPC: B60N2002/0272 B60N2/0232 B60N2/0276 B60N2/2863
B60R21/2032 B60R21/206 B60R21/214 B60R21/232 B60R21/233
B60R21/235 B60R21/239 B60R21/264 B60R2021/0004
B60R2021/0006 B60R2021/23107 B60R2021/23153 B60R2021/23161
B60R2021/23169 B60R2021/23192 B60R2021/23308
B60R2021/23316 B60R2021/23504 B60R2021/23514
B60R2021/23519 B60R2021/23523 B60R2021/23557 B60R2021/2358
B60R2021/2359 B60R2021/2636 G07C5/008 G07C5/0808
B60R21/20 B60R21/30

European: B60N2/02B4 B60N2/02B6W B60N2/28P4 B60R21/0132
B60R21/20 B60R21/206 B60R21/214 B60R21/232 B60R21/233
B60R21/235 B60R21/264 B60R21/30 G07C5/00T G07C5/08D
L60R21/00A1 L60R21/00A2 L60R21/203F L60R21/206 L60R21/214
L60R21/231C L60R21/231M L60R21/231N L60R21/231P
L60R21/231W L60R21/232 L60R21/233 L60R21/233A L60R21/233F
L60R21/235M L60R21/235M1C L60R21/235M3 L60R21/235M5
L60R21/235P6 L60R21/235S4 L60R21/235S6 L60R21/239
L60R21/263L3

US: 280/735 280/735S 297/216.12 701/45 701/45P

**Family:**

Publication number	Publication date	Application number	Application date
US2008082237 AA	20080403	US20070939183	20071113
US8346438 BB	20130101	US20070939183	20071113

Priority:

US19910727756	19910709	US19930024076	19930301	US19930104246	19930809
US19930101017	19930916	US19940247763	19940523	US19940358976	19941219
US19950476077	19950607	US19950476076	19950607	US19950514986	19950814
US19950539676	19951005	US19950550217	19951030	US19950571247	19951212
US19960626493	19960402	US19960028046P	19961009	US19970795418	19970204
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US19980137918	19980820	US19990356314	19990716	US19990435045	19991108
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US20020043557	20020111	US20020374282P	20020419	US20020188673	20020703
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US20030413318	20030414	US20030638743	20030811	US20040768791	20040130
US20040817379	20040402	US20040963390	20041012	US20040974919	20041027
US20050058337	20050215	US20050131623	20050518	US20070939183	20071113

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC**Assignee(s):** (std): AUTOMOTIVE TECH INT ; BREED DAVID S**Assignee(s):** AMERICAN VEHICULAR SCIENCES LLC ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC**Inventor(s):** (std): BREED DAVID S**Inventor(s):** BREED DAVID**Agent(s):** BRIAN ROFFE ESQ; BRIAN**95) Family number: 32571826 (WO06007791A1)**

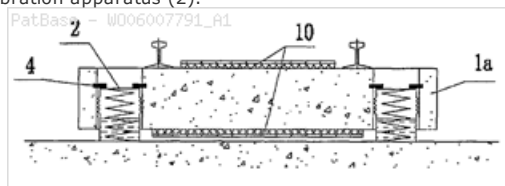
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Title: A FLOATING SLAB TRACK BED

Abstract: The present invention relates to absorption of vibration structure of the railway track bed, which comprises floating slab (1) and spring absorption of vibration apparatus (2). Thereinto, the floating slab (1) is mount on the spring absorption oaf vibration apparatus (2) elastically, so the vibration which transferring to the basement of the track bed from the rail (16) will be decreased greatly by the spring absorption of vibration apparatus (2).

Classifications:

International (IPC 8-9): E01B E01B1/00 E01B19/00
E01B26/00 (Advanced/Invention);
E01B1/00 E01B19/00 E01B26/00 (Core/Invention);
E01B (Subclass/Invention)

International (IPC 1-7): E01B19/00 E01B26/00**CPC:** E01B19/003 E01B1/002**European:** E01B1/00C E01B19/00A**Family:**

Publication number	Publication date	Application number	Application date
BRPI0513626 A	20080513	BR2005PI13626	20050720
CN101023218 A	20070822	CN200580029990	20050720
CN101023218 B	20100721	CN200580029990	20050720
CN1297712 C	20070131	CN200410035441	20040723
CN1707026 A	20051214	CN200410035441	20040723
EP1783275 A1	20070509	EP20050772401	20050720

EP1783275 A4	20110323	EP20050772401	20050720
HK1102695 A1	20101029	HK20070110929	20071010
HK1102695 A1	20071130	HK20070110929	20071010
HK1102695 A3	20071130	HK20070110929	20071010
HK1102695 B	20101029	HK20070110929	20071010
JP2008507640 T2	20080313	JP20070521773T	20050720
JP4745338 B2	20110810	JP20070521773T	20050720
KR100883571 B1	20090217	KR20077004247	20050720
KR20070039599 A	20070412	KR20077004247	20070222
WO6007791 A1	20060126	WO2005C010183	20050720

Priority:

CN200410035441 20040723 WO2005C010183 20050720 WO2005C010183 20050720
WO2005C010183 20070222

Probable Assignee: GERB QINGDAO VIBRATION CONTROL SYSTEMS CO LTD

Assignee(s): (std): GEERGU QINGDAO VIBRATION CONTROL CO LTD ; GERB QINGDAO VIBRATION CONTROL ; GEERGU QINGDAO VIBRATION CONTR ; YI XUEJUN ; GERB QINGDAO VIBRATION CONTROL SYSTEMS CO LTD ; YIN XUEJUN ; XUEJUN YIN

Assignee(s): GERB VIBRATION CONTROL CO LTD ; GERB QINGDAO VIBRATION CONTROL SYSTEMS CO ; GEERGU QINGDAO VIBRATION CONTROL CO ; GERB QINGDAO VIBRATION CONTROL CO ; GERB QINGDAO VIBRATION CONTROL CO LTD ; GERB VIBRATION CONTROL SYSTEMS CO LTD

Inventor(s): (std): YIN XUEJUN ; TAG TORSTEN UWE ; XUEJUN YIN ; YI XUEJUN

Inventor(s): XUEJUN YI

Agent(s): LIU SHEN AND ASSOCIATES; HIROE AND ASSOCIATES PATENT PROFESSIONAL CORP; HIROE TAKENORI

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL 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

96) Family number: 28332838 (US2003039173A)

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Title: METHODS FOR REDUCING RINGING OF ULTRASONIC TRANSDUCERS

Abstract: Methods for reducing ringing of dual-function ultrasonic air-coupled transducers in which at least one electrical passive circuit is applied to the transducer. The circuit may be either a linear circuit or a non-linear circuit. Different circuits can be applied to the transducer when the transducer is in a transmission mode than when the transducer is in a reception mode.

Classifications:

International (IPC 8-9): B06B1/02 B06C23/00 B06C23/04 B60H1/00 B60H1/32 B60J10/00 B60K28/00 B60K28/02 B60N2/00 B60N2/015 B60N2/02 B60N2/06 B60N2/28 B60N2/427 B60N2/48 B60N2/66 B60Q1/00 B60Q1/14 B60R1/00 B60R16/02 B60R16/037 B60R21/00 B60R21/01 B60R21/013 B60R21/015 B60R21/02 B60R21/04 B60R21/16 B60R21/18 B60R21/32 B60R22/00 B60R22/20 E05F15/00 F24F11/00 F24F7/00 G01C3/08 G01F23/00 G01F23/20 G01F23/296 G01G19/10 G01G19/414 G01I1/34 G01M17/00 G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/88 G01S7/41 G01S7/48 G01S7/539 G06F15/00 G06F17/00 G06F19/00 G06F7/00 G06F7/70 G06G7/00 G06G7/76 G06K7/00 G06K9/00 G06K9/62 G08B1/00 G08B13/14 G08B29/00 G08B29/18 G08C19/00 G09G5/00 H01J40/14 H04B1/00 H04B1/02 H04B3/00 H04N7/18 H04Q5/22 H04R3/00 H04R5/02 (Advanced/Invention);

B60R1/12 B60R21/00 B60R21/013 B60R21/0132 B60R21/0134

B60R21/015 B60R21/20 B60R21/203 B60R21/215 B60R21/231

B60R21/26 B60R21/276 B60R22/28 B60R22/46 B60R22/48

G01S13/04 G01S15/04 G01S15/06 G01S17/89 G06E1/00 G06F15/18 G06K9/36 (Advanced/Non-invention);

B06B1/02 B06C23/00 B06C23/02 B60H1/00 B60J10/00 B60K28/00 B60N2/00 B60N2/005 B60N2/02 B60N2/06 B60N2/26

B60N2/42 B60N2/48 B60N2/64 B60Q1/00 B60Q1/14 B60R16/02 B60R16/037 B60R21/00 B60R21/01 B60R21/013

B60R21/015 B60R21/02 B60R21/04 B60R21/16 B60R22/00 B60R22/18 E05F15/00 F24F7/00 G01F23/00 G01F23/296

G01G19/08 G01G19/40 G01J1/10 G01M17/00 G01S15/00 G01S17/00 G01S7/02 G01S7/48 G01S7/539 G06F15/00 G06F17/00

G06F19/00 G06F7/00 G06F7/60 G06G7/00 G06K7/00 G06K9/00 G06K9/62 G08B1/00 G08B13/14 G08B29/00 G08C19/00

G09G5/00 H01J40/00 H04B1/00 H04N7/18 (Core/Invention);

B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/20 B60R21/23 B60R21/26 B60R22/00 B60R22/28

B60R22/46 G01S13/00 G06E1/00 G06F15/18 G06K9/36 (Core/Non-invention)

International (IPC 1-7): G01S15/00 H04B1/02

CPC: B60C23/0408 B60C23/007 B60C23/008 G08B13/1427 G08B13/2462 G08B13/248 G08B21/0227 G08B21/023

G08B21/0286 G08B29/181 G06Q20/203 H04R5/02 B60R11/02 B60R11/04 B60R2011/0003 B60R2011/0005 B60R2011/0022

B60R2011/0028 E05F15/00 Y10S367/903 E05Y2400/664 E05Y2400/85 B06B1/0215 B60N2/0224 B60N2/0244 B60N2/0248

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B60N2/067 B60N2/0732 B60N2/18 B60N2/1803 B60N2/181 B60N2/1817 B60R2022/4808 B60R21/01546 G02B27/0149

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B60C23/0433 Y10T137/3584 Y10T137/36 B60J7/0573 E05Y2900/516 E05Y2900/542 G01S17/026 G06F3/0219 G06F3/0233

G06F3/0237 G06F3/0238 G07C5/0808 H01Q1/3291 B60R22/201 B60R2022/288 B60R2022/4685 G06K9/00838 G08C17/00

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G06K9/00624 B60J10/00 B60N2/002 B60N2002/0268 B60N2002/0272 B60R1/088 B60R11/0241 B60R16/037 B60R21/0134

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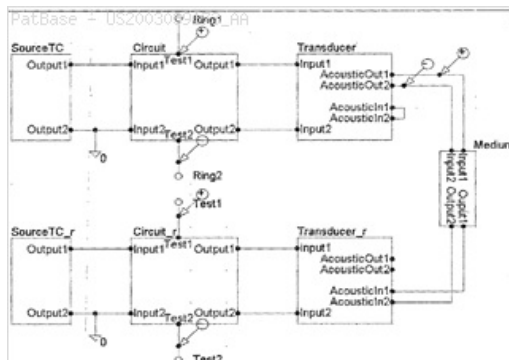
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G01F23/2962 G01S7/417 G01S13/04 G01S13/74 G06K9/00362 G06K9/00832 G10K2210/1282 G10K2210/3219

European: B06B1/02D2 B60C23/00D2 B60C23/00D3 B60C23/04C B60C23/04C3 B60C23/04C6D B60H1/00Y5A

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B60N2/48C3C B60N2/48C4 B60N2/48W B60N2/66 B60Q1/14C1B B60R1/00 B60R1/08G5 B60R11/02G B60R16/037
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G06Q20/203 G07C5/00T G07C5/08R2 G08B13/14D G08B13/24B5T G08B13/24B7D G08B21/02A26 G08B21/02A6
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US: 1/1 137/223S 137/224S 152/419S 165/203 165/237 177/136 177/144 177/208 180/197P 180/268 180/271 180/272
180/273 180/274 236/49.3 236/49.300P 250/206.1 250/206.2 250/208.1 250/221 250/222.1 250/227.21 250/227.210S
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340/13.26 340/426.19 340/436 340/438 340/438P 340/442 340/442P 340/443 340/446S 340/447 340/447P 340/447S
340/457.1 340/457.100P 340/5.64 340/505S 340/539.1 340/539.100S 340/539.13 340/539.130P 340/539.14 340/540
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340/825.36 340/825.49 340/825.72 340/991 341/111 342/457 345/156 345/156P 345/7 345/8 345/8S 356/10 356/44S
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT ; DUVALL WILBUR E ; JOHNSON WENDELL C ; BREED DAVID S ; INTELLIGENT TECH INT INC

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Inventor(s): BREED DAVID ; JOHNSON WENDELL ; DUVALL WILBUR ; BREED RYAN ; DAVIS STUART

Agent(s): BRIAN ROFFE ESQ; BRIAN; ROFFE BRIAN; BRIAN ROFFE

97) Family number: 43868844 (WO09129143A1)

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

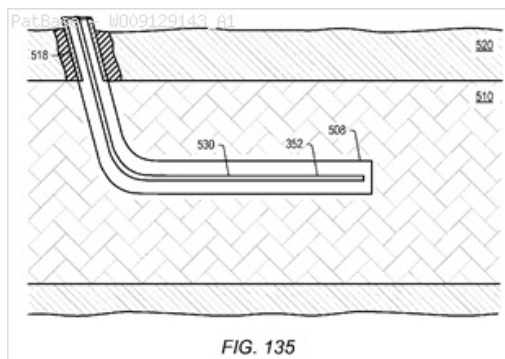
Abstract: Systems, methods, processes, and/or heaters for treating a subsurface formation are described herein. Some

embodiments also generally relate to heaters that have novel components therein. Such heaters may be obtained by using the systems and methods described. Some embodiments also generally relate to systems, methods, and/or processes for treating fluid produced from the subsurface formation.

Classifications:

International (IPC 8-9): C10G1/00 E21B43/00 (Advanced/Invention); C10G1/00 E21B43/00 (Core/Invention)

CPC: E21B7/068 E21B3/00 E21B4/04 E21B47/06 C10G21/22 C10G21/28 C10G2300/207 C10G2300/301 C10G2300/302 C10G2300/308 C10G2300/4006 C10G2300/4012 C10G2300/42 C10G2300/807 C10G2400/02 E21B7/18 E21B10/003 E21B19/08 E21B21/00 E21B21/08 E21B36/001 E21B36/02 E21B36/04 E21B43/119 E21B43/2401 E21B43/2403 E21B43/243 E21B43/281 E21B43/30 E21B43/305 E21B47/022



Family:

Publication number	Publication date	Application number	Application date
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WO09146158 A1	20091203	WO2009US40139	20090410

Priority:

US20080046329P 20080418 US20080104974P 20081013

Probable Assignee: SHELL OIL CO

Assignee(s): (std): ARORA DHRUV ; AYODELE OLUROPO RUFUS ; BASS RONALD J ; BROS ROBERT ; BROUWER ROALD ; EDBURG DAVID ALSTON ; DE ST REMEY ED ; CAO RENFANG RICHARD ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; DINDORUK DENIZ ; CRUZ ANTONIO MARIA GUIMARAES LEITE ; COLOMENARES TULIO ; DE ROUFFINGNAC ERIC PIERRE ; FONSECA OCAMPOS ERNESTO RAPHAEL ; BURNS DAVID BOOTH ; JAISWAL NAMIT ; GINESTRA JEAN CHARLES ; MASON STANLEY LEROY ; MCNEIL BOB ; MARWEDE JOCHEN ; KIM DONG SUB ; FOWLER THOMAS DAVID ; MACDONALD DUNCAN CHARLES ; KARANIKAS JOHN MICHAEL ; HARLEY GUY ; MCKINZIE BILLY JOHN II ; LI ZHEN ; KOENDERS BURGARD ; HARRIS CHRISTOPHER KELVIN ; HWANG HORNG JYE JAY ; HARVEY ALBERT DESTREHAN III ; LO KING HIM ; KILGORE JAMES ; MCDONALD DUNCAN CHARLES ; HWANG HORNG JYE ; SHELL OIL CO ; ZHENG JANE Q ; RYAN ROBERT CHARLES ; SANDBERG CHESTER LEDLIE ; ROES AUGUSTINUS WILHELMUS MARIA ; NGUYEN SCOTT VINH ; VINEGAR HAROLD J ; XIE XUEYING ; SON JAIME SANTOS ; NAIR VIJAY ; PRINCE WRIGHT ROBERT GEORGE ; MUYLLE MICHEL SERGE MARIE ; MO WEIJAN ; STANECKI JOHN ANDREW ; RAGHU DAMODARAN ; SYIHAB ZUHER ; POLLARD RICHARD ; VENDITTO JAMES JOSEPH ; PINO HENRY ; PATNI SANDEEP ; RENKEMA DUURT ; SHELL INT RESEARCH

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

Inventor(s): (std): RENKEMA DUURT ; MCDONALD DUNCAN CHARLES ; HWANG HORNG JYE ; BURNS DAVID BOOTH ; PATNI SANDEEP ; KILGORE JAMES ; PINO HENRY ; LO KING HIM ; VENDITTO JAMES JOSEPH ; FONSECA OCAMPOS ERNESTO RAPHAEL ; POLLARD RICHARD ; SYIHAB ZUHER ; HARVEY ALBERT DESTREHAN III ; RAGHU DAMODARAN ; DE ROUFFINGNAC ERIC PIERRE ; COLOMENARES TULIO ; CRUZ ANTONIO MARIA GUIMARAES LEITE ; DINDORUK DENIZ ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; STANECKI JOHN ANDREW ; MO WEIJAN ; HWANG HORNG JYE JAY ; HARRIS CHRISTOPHER KELVIN ; KOENDERS BURGARD ; BASS RONALD J ; MUYLLE MICHEL SERGE MARIE ; PRINCE WRIGHT ROBERT GEORGE ; LI ZHEN ; CAO RENFANG RICHARD ; NAIR VIJAY ; SON JAIME SANTOS ; MCKINZIE BILLY JOHN II ; HARLEY GUY ; KARANIKAS JOHN MICHAEL ; DE ST REMEY ED ; MACDONALD DUNCAN CHARLES ; EDBURG DAVID ALSTON ; XIE XUEYING ; VINEGAR HAROLD J ; NGUYEN SCOTT VINH ; FOWLER THOMAS DAVID ; ROES AUGUSTINUS WILHELMUS MARIA ; KIM DONG SUB ; AYODELE OLUROPO RUFUS ; MARWEDE JOCHEN ; ARORA DHRUV ; SANDBERG CHESTER LEDLIE ; MCNEIL BOB ; RYAN ROBERT CHARLES ; MASON STANLEY LEROY ; BROS ROBERT ; BROUWER ROALD ; ZHENG JANE Q ; GINESTRA JEAN CHARLES ; JAISWAL NAMIT

Agent(s): CHRISTENSEN DEL S ET AL; 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 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

98) Family number: 67135846 (US2017283180A)

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Title: HELICAL CONVEYOR FOR UNDERWATER SEISMIC EXPLORATION

Abstract: The present disclosure is directed to a helical conveyor for underwater seismic exploration. The system can include a case having a cylindrical portion. A cap is positioned adjacent to a first end of the case. A conveyor having a helix structure is provided within the case. The conveyor can receive an ocean bottom seismometer ("OBS") unit at a first end of the conveyor and transport the OBS unit via the helix structure to a second end of the conveyor to provide the OBS unit on the seabed to acquire the seismic data.

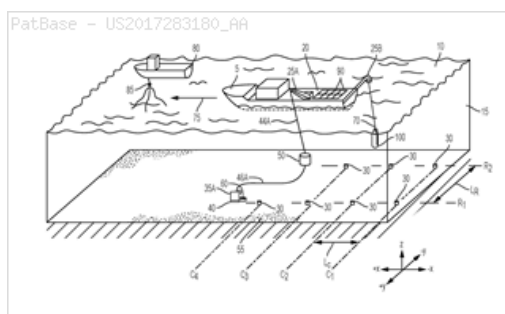
Classifications:

International (IPC 8-9): B63G8/00 B63G8/08 B65G33/02 B65G33/04 B65G67/60 G01V1/09 G01V1/38 (Advanced/Invention)

International (IPC 1-7): G01V1/09

CPC: B65G33/02 G01V1/3808 B65G67/603 B63G8/001 B63G8/08 B63G2008/002 B63G2008/008 G01V1/3826 G01V1/3852 G01V2210/1427

US: 1/1 414/141.9 701/21



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20160088060 20160331 US20160216085 20160721 WO2017US25192 20170330
US20180101616 20180813

Probable Assignee: FAIRFIELD IND INC

Assignee(s): (std): FAIRFIELD IND INC

Assignee(s): FAIRFIELD SEISMIC TECHNOLOGIES LLC ; MAGSEIS FF LLC ; DNB BANK ASA AGENT AS

Inventor(s): (std): FYFFE ROGER L ; MARC ETIENNE

Agent(s): MODIANO GABRIELLA DIANA; FOLEY AND LARDNER LLP; DE VELLIS JAMES; DE VELLIS JAMES ET AL

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 KH KM KN KP KR KW 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

99) Family number: 28138848 (US2001045104A)

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Title: Ergonomic systems and methods providing intelligent adaptive surfaces and temperature control

Abstract: Ergonomic systems which provide medical therapy, comfort and enhanced function are provided. Surfaces are provided with adjustable contour, transient force damping and temperature. The technologies are applied to footwear, seating surfaces and cryotherapy devices. The cooling and cryotherapy system employ an evaporator in close proximity to skin, and therefore employ methods to reduce risk of frostbite. Advanced control and power supply options are disclosed.

Classifications:

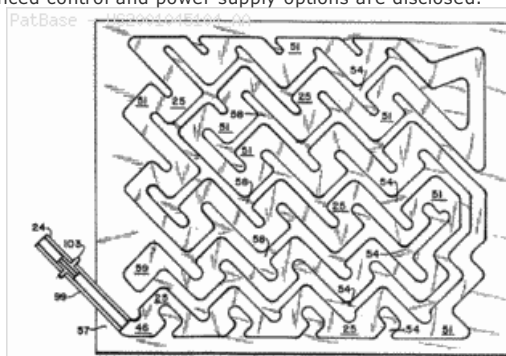
International (IPC 8-9): A43B13/18 A43B13/20 A43B7/14 A61F7/10 F28F3/12 (Advanced/Invention); A61F7/00 F28D20/02 (Advanced/Non-invention)

International (IPC 1-7): A43B7/14 A61F7/02 F25B1/10 F25B19/00

CPC: A43B1/0054 A43B3/0005 A43B3/0015 A43B3/0026 A43B7/02 A43B7/04 A43B7/06 A43B7/14 A43B7/1415 A43B13/14 A43B13/181 A43B13/189 A43B13/203 A43B13/206 A61F7/02 A61F7/10 A61F2007/0002 A61F2007/0027 A61F2007/0029 A61F2007/0039 A61F2007/0058 A61F2007/0076 A61F2007/0225 A61F2007/0233 A61F2007/0295 B60N2/5621 B60N2/5685 B60N2/5692 F28D20/02 F28D2021/0071 F28F3/12 A61F2007/0045 A61F2007/0054 A61F2007/0065 A61F2007/0094

European: A43B1/00M A43B13/14 A43B13/18A A43B13/18G A43B13/20P A43B13/20T A43B3/00E A43B3/00E20 A43B3/00M A43B7/02 A43B7/04 A43B7/06 A43B7/14 A43B7/14A20 A61F7/02 A61F7/10 B60N2/56C4 B60N2/56E2 B60N2/56E4 F28F3/12 K61F7/00A2 K61F7/00A3L K61F7/00A4 K61F7/00A5 K61F7/00A5H K61F7/00C K61F7/00C2B K61F7/00D2A2 K61F7/00E2R K61F7/00R K61F7/02G K61F7/02G5 K61F7/02T R28D20/02 R28D21/00T230F

US: 036/1 036/88 36/1 36/28 36/29 36/290 36/88 36/93 607/104 607/112 607/114 62/51.1 62/510 62/510P

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Priority:

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Probable Assignee: PROMXD TECHNOLOGY INC

Assignee(s): (std): PROMXD TECHNOLOGY INC ; PROMXD TECHNOLOGY INC

Assignee(s): LAKIN GENERAL CORP ; HOFFBERG STEVEN M ; BAILEY RICHARD F ; FISHER RONALD A

Inventor(s): (std): BAILEY RICHARD F ; FISHER RONALD A ; HOFFBERG STEVEN M ; BAILEY SR RICHARD F ; FISHER RONALD

Inventor(s): BAILEY ; SR RICHARD F

Agent(s): MILDE AND HOFFBERG LLP

100) Family number: 62412862 (WO16077796A1)

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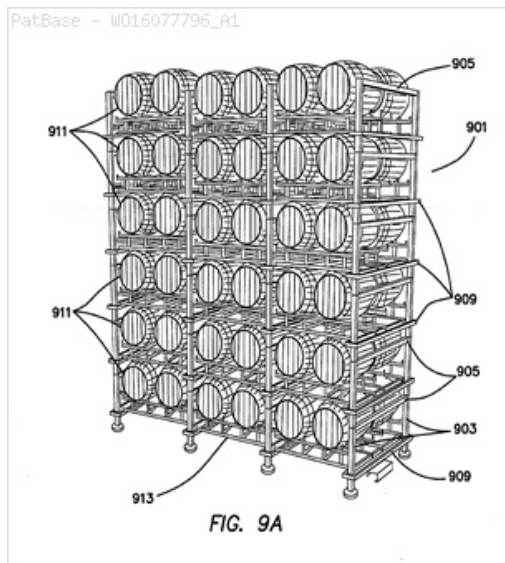
Title: CONTAINER TRANSPORT AND STORAGE SYSTEMS

Abstract: The invention is drawn to safe and secure container storage, preferably comprising storage of barrels and/or drums. In certain examples the invention may involve the safe secure storage of wine barrels, barrel pallets, barrel racks, and barrel pallet racks. In certain preferred examples, the invention may involve seismic isolation of stored wine barrels, barrel pallets, barrel racks, and barrel pallet racks by supporting such articles upon seismic isolators. The invention is also drawn to methods and systems related to the same.

Classifications:

International (IPC 8-9): A47B81/00 (Advanced/Invention)

CPC: A47B81/007 B65D19/44 B65D2519/00024 B65D2519/00059
B65D2519/00273 B65D2519/00298 B65D2519/00323
B65D2519/00338 B65D2519/00532 B65D2519/00562
B65D2519/00666 B65D2519/00164 B65D2519/00293
B65D2519/00572 B65D2519/00631 B65D2519/0081
B65D2519/00815 B65D2519/00965 B65D2519/00975 B65G1/02



Family:

Publication number	Publication date	Application number	Application date
WO16077796 A1	20160519	WO2015US60742	20151113

Priority:

US20140079475P 20141113

Probable Assignee: WORKSAFE TECHNOLOGIES A CALIFORNIA PARTNERSHIP

Assignee(s): (std): WORKSAFE TECHNOLOGIES A CALIFORNIA PARTNERSHIP

Inventor(s): (std): MORENO GIL A ; HUBBARD DON A

Agent(s): FISHER CARLOS 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 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 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

101) Family number: 34579866 (US2006131210A)

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Title: HYDRAULIC OIL WITH EXCELLENT AIR RELEASE AND LOW FOAMING TENDENCY

Abstract: This invention provides a hydraulic oil comprising: 1) a lubricant base oil having an average molecular weight greater than 475, a viscosity index greater than 140, and a weight percent olefins less than 10; and 2) an antiwear hydraulic oil additive package. The hydraulic oil of this invention has an air release by ASTM D 3427-03 of less than 0.8 minutes at 50 degrees C., and a sequence II foam tendency by ASTM D 892-03 of less than 50 ml. We describe a process for making the hydraulic oil of this invention, and a method of operating a hydraulic pump without pump cavitation using the hydraulic oil of this invention.

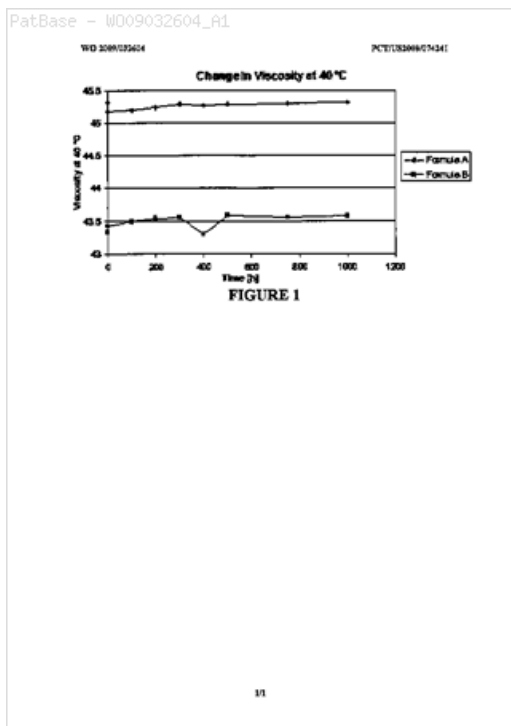
Classifications:

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C10G67/04 C10G71/00 C10G73/38 C10L1/04 C10L1/14 C10L1/22
C10M101/02 C10M101/04 C10M105/02 C10M105/04 C10M105/06
C10M105/08 C10M107/02 C10M125/06 C10M129/10 C10M129/72
C10M133/12 C10M133/16 C10M133/30 C10M135/36 C10M143/06
C10M145/02 C10M145/12 C10M145/14 C10M147/02 C10M149/18
C10M159/00 C10M159/22 C10M165/00 C10M167/00 C10M169/00
C10M169/04 C10M171/00 C10M171/02 C10M171/04 C10M173/02
C10M175/00 C10N20/02 C10N30/06 C10N40/08 F04B39/02
F04B49/00 F16D31/02 (Advanced/Invention);
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C10N40/00 C10N40/02 C10N40/04 C10N40/06 C10N40/08
C10N40/12 (Advanced/Non-invention);
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C10M125/00 C10M129/00 C10M133/00 C10M145/00 C10M159/00
C10M169/00 C10M171/00 C10M173/02 C10M175/00 F04B39/02
F04B49/00 F16D31/02 (Core/Invention);
C10G C10M (Subclass/Invention)

International (IPC 1-7): C10G71/00 C10M171/00

CPC: C10G67/04 C10G73/38 C10M105/04 F04B39/02 C10N2220/10
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US: 208/18 208/180 208/19 208/950 417/53 508/110 508/126
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Family:

Publication number	Publication date	Application number	Application date
AU2005322299 AA	20060706	AU20050322299	20051216
AU2005322299 BB	20101111	AU20050322299	20051216
AU2006331635 AA	20070705	AU20060331635	20061219
AU2006331635 BB	20110714	AU20060331635	20061219
AU2006331724 AA	20070705	AU20060331724	20061219
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CN101827920 A	20100908	CN200880111716	20080715
CN101827922 A	20100908	CN200880111669	20080825
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EP1973997 A2	20081001	EP20060845921	20061219
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WO07075830 A2	20070705	WO2006US48676	20061219
WO07075830 A3	20071108	WO2006US48676	20061219
WO07075830 C1	20080807	WO2006US48676	20061219
WO07075831 A2	20070705	WO2006US48677	20061219
WO07075831 A3	20071115	WO2006US48677	20061219
WO07075831 B1	20080110	WO2006US48677	20061219
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WO09032604 A1	20090312	WO2008US74241	20080825
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Priority:

US20040637171P	20041216	US20050078746	20050311	WO2005US45812	20051216
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WO2006US48677	20061219	US20070845918	20070828	US20070845935	20070828
US20070933236	20071031	US20080165180	20080630	WO2008US70059	20080715
US20080187315	20080806	US20080187320	20080806	WO2008US74241	20080825
US20080323205	20081125	US20090646562	20091223		

Probable Assignee: CHEVRON CORP

Assignee(s): (std): ABERNATHY SUSAN M ; BERTRAND NANCY J ; CHEVRON CORP ; CHEVRON USA INC ; LEMAY PATRICIA ; FRAZIER RAWLS ; ROSENBAUM JOHN ; LOH WILLIAM ; OKAZAKI MARK E ; ROSENBAUM JOHN M ; MILLER STEPHEN J ; OPSTAL TOM ; OKAZAKI MARK EDWARD ; SABINE ELIAS ; CHEVRON U S A I N C ; LEMAY PATRICIA V

Assignee(s): CHEVRON USA ; CHEVRON U S A ; CHEVRON U S A INC

Inventor(s): (std): ROSENBAUM JOHN ; LEMAY PATRICIA ; LOH WILLIAM ; OKAZAKI MARK E ; BERTRAND NANCY J ; FRAZIER RAWLS ; ROSENBAUM JOHN M ; OKAZAKI MARK EDWARD ; SABINE ELIAS ; ELIAS SABINE M ; FRAZIER RAWLS H ; LEMAY PATRICIA V ; OPSTAL TOM ; ABERNATHY SUSAN ; ABERNATHY SUSAN M ; MILLER STEPHEN J ; RAWLS FRAZIER ; JOHN ROSENBAUM ; WILLIAM LOH ; PATRICIA LEMAY ; TOM OPSTAL

Inventor(s): PATRICIA V LEMAY ; BERTRAND NANCY ; OKAZAKI MARK ; STEPHEN J MILLER ; JOHN M ROSENBAUM ; SUSAN M ABERNATHY ; SUSAN ABERNATHY ; ELIAS SABINE ; MILLER STEPHEN ; MARK E OKAZAKI ; NANCY J BERTRAND

Agent(s): DAVIES COLLISON CAVE PTY LTD; DAVIES COLLISON CAVE; AIRD AND BERLIS IP PARTNERSHIP LTD; NASH DAVID ALLAN; ASAMURA HAJIME; ASAMURA KIYOSHI; IKEDA YUKIHIRO; NAGANUMA TERUO; ASAMURA PATENT OFFICE PC; CHEVRON TEXACO CORP; CHEVRON CORP; ABERNATHY SUSAN M; SUSAN M; PENNY L; PHAM HANH T ET AL; ROSS MICHAEL D ET AL; PRATER PENNY L 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 YU ZA ZM ZW

102) Family number: 54294867 (WO13103855A1)

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Title: PREFABRICATED ISOLATION FLOORING

Abstract: Improved isolation flooring systems, and methods for their use are disclose for protecting a payload, such as heavy or delicate equipment (such as laboratory or computer equipment), from damage due to vibrations, such as seismic vibrations. In preferred embodiments, the invention is drawn to methods of isolating heavy and/or sensitive objects from the full acceleration of seismic vibrations, and may comprise wholly or partially prefabricated elements.

Classifications:

International (IPC 8-9): F16M13/00 (Advanced/Invention)

CPC: E04F15/02464

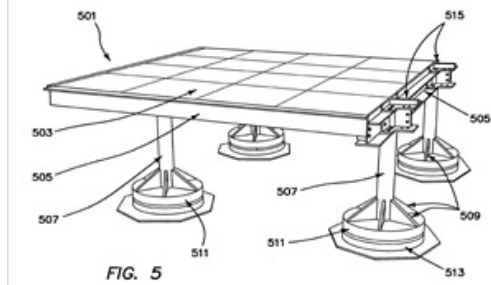


FIG. 5

Family:

Publication number	Publication date	Application number	Application date
W013103855 A1	20130711	WO2013US20332	20130104

Priority:

US20120631564P 20120106

Probable Assignee: WORKSAFE TECHNOLOGIES**Assignee(s):** (std): WORKSAFE TECHNOLOGIES**Inventor(s):** (std): HUBBARD DONALD A ; MORENO GIL A**Agent(s):** FISHER CARLOS 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 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 PA PE PG PH PL PT QA RO RS RU RW 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

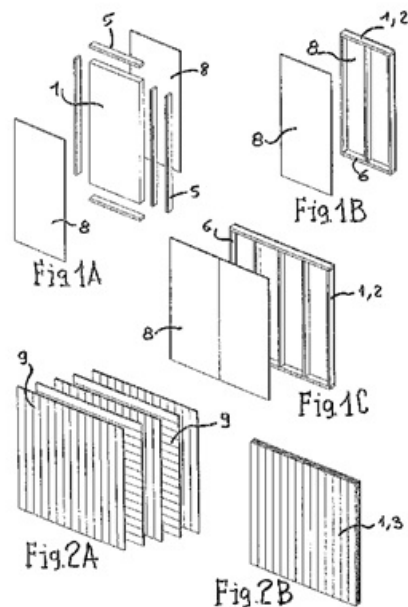
103) Family number: 48483888 (ITRM20090380A)

© PatBase

Title: METODO PER LA REALIZZAZIONE DI UN EDIFICIO ANTISISMICO CON STRUTTURA PORTANTE IN LEGNO FIBRORINFORZATA E CON ISOLATORI SISMICI.

Abstract: Source: IT1394935B [IT] [Source: Claim 1] 1.035,00 ED UN C/C DA speciale 5,00. Pagina

Machine translation: [Source: Claim 1] 1.035,00 AND A C/C FROM SPECIAL 5,00. Page

Classifications:**CPC:** E04H9/02 E04H9/00 E04H9/022**European:** P04H9/00**Family:**

Publication number	Publication date	Application number	Application date
IT1394935 B1	20120727	IT2009RM00380	20090717
ITRM20090380 A1	20110118	IT2009RM00380	20090717

Priority:

IT2009RM00380 20090717

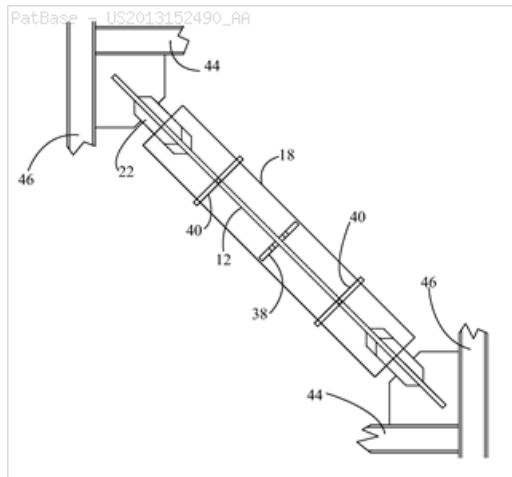
Probable Assignee: CENCI**Assignee(s):** (std): CENCI ; CENCI GIOVANNI ; CENCI SABRINA

Classifications:

E04H9/02 (Advanced/Invention)

CPC: E04H9/021 E04H9/02 E04H9/028

US: 29/897.3 52/167.1 52/167.2 52/167.3 52/167.7 52/167.8 52/638
52/741.1



Publication number	Publication date	Application number	Application date
US2013152490 AA	20130620	US20110329996	20111219
US2013205690 AA	20130815	US20130848597	20130321
US8590258 BB	20131126	US20110329996	20111219
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US8869468 C 1	20190910	US20130848597	20130321
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US20110329996 20111219 US20130848597 20130321

Assignee(s): (std): HINCHMAN ANDREW

Assignee(s): SEISMIC BRACING CO LLC

Inventor(s): (std): HINCHMAN ANDREW

Agent(s): DYKAS AND SHAVER; ROBERT L; SHAVER ROBERT L

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 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 PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SZ SY SZ TD TG TH TJ TM TN TR TT ZA UA UG US UZ VC VN ZA ZM ZW

Classifications:

G08C17/02 G08C19/12 H02J3/14 H02J3/28 H05B37/02

H05B39/08 (Advanced/Invention):

A01G25/16 A01G27/00 A01G31/00 A01G9/02 E21V23/04 G05B15/02

H02M1/00 H04W84/12 (Advanced/Non-invention)

CPC: H02M2001/0006 H05B37/0272 H05B39/086 H05B39/088

CPC: H02M2001/0008 H05B37/0272 H05B39/088 H05B39/088
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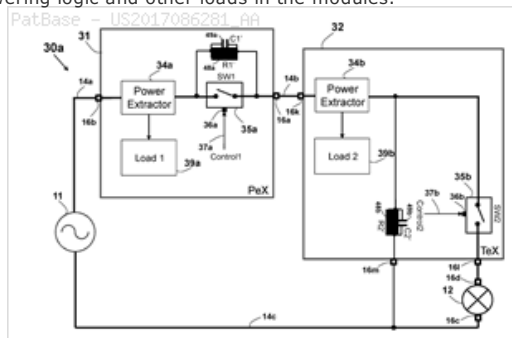
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C02F1/78 C02F9/00 C02F2209/005 C02F2209/05 C02F2209/06
C03F3305/06 A01G3/045 A01G31/03

US: 1/1 315/283 47/62A



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Publication number	Publication date	Application number	Application date
EP3243195 A2	20171115	EP20150876754	20151202
EP3243195 A4	20180822	EP20150876754	20151202
US2017086281 AA	20170323	US20160359797	20161123
US2017265287 AA	20170914	US20170600719	20170520
US2018092313 AA	20180405	US20170832789	20171206
US2018332787 AA	20181122	US20170600716	20170520
US9839103 BB	20171205	US20160359797	20161123
US9867263 BB	20180109	US20170600719	20170520
US10448586 BB	20191022	US20170832789	20171206
WO16110833 A2	20160714	WO20151L51172	20151202
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Priority:

US20150100078P 20150106 WO20151L51172 20151202 US20160359797 20161123
US20170600719 20170520 US20170600716 20170520 US20170832789 20171206

Probable Assignee: CMOO SYSTEMS LTD

Assignee(s): (std): CMOO SYSTEMS LTD ; CMOO SYSTEMS LTD ; LEO DANIEL MICHAEL

Inventor(s): (std): AVRAHAM AVRAHAM ; LEO DANIEL MICHAEL

Agent(s): BECKER KURIG STRAUS; MAY PATENTS LTD; MAY PATENTS LTD C O DORIT SHEM TOV; BINDER SHEM TOV DORIT

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

106) Family number: 42496921 (US2008277911A)

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Title: DRIVER SIDE ASPIRATED AIRBAGS

Abstract: Airbag module mounted in connection with a steering wheel includes an inflator for generating gas and arranged on the steering wheel assembly, a conduit between the inflator and the interior of the airbag, and an aspirating structure arranged in connection with the conduit for enabling air from a passenger compartment to flow into the conduit and thus into the interior of the airbag. The airbag may be housed in a housing in a middle of the steering wheel. The aspirating structure may include one or more nozzles and/or one or more valves to allow for air flow from the passenger compartment into the conduit and prevent reverse flow. The inflator may include propellant distributed around an outer wall of the inflator.

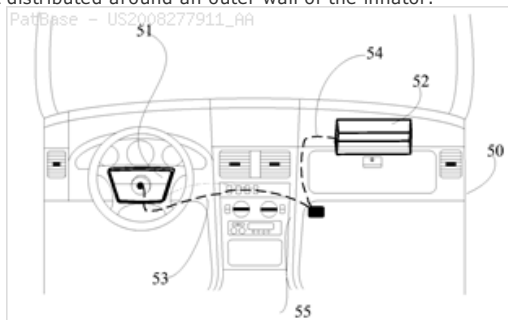
Classifications:

International (IPC 8-9): B60R21/203 B60R21/213 B60R21/232 B60R21/30 (Advanced/Invention)

CPC: B60R21/0132 B60R21/2032 B60R21/206 B60R21/214 B60R21/232 B60R21/233 B60R21/235 B60R21/239 B60R21/26 B60R21/264 B60R21/30 B60R2021/0004 B60R2021/0006 B60R2021/23107 B60R2021/23153 B60R2021/23169 B60R2021/23192 B60R2021/23308 B60R2021/23316 B60R2021/23324 B60R2021/23504 B60R2021/23514 B60R2021/23519 B60R2021/23523 B60R2021/2612 B60R2021/2636 B60R21/16 B60R21/213

European: B60R21/0132 B60R21/206 B60R21/214 B60R21/232 B60R21/235 B60R21/26 B60R21/264 B60R21/30 L60R21/00A1 L60R21/00A2 L60R21/203F L60R21/206 L60R21/231C L60R21/231M L60R21/231P L60R21/231W L60R21/232 L60R21/233 L60R21/233A L60R21/233F L60R21/233H L60R21/235M L60R21/235M1C L60R21/235M3 L60R21/235M5 L60R21/239 L60R21/261J L60R21/263L3

US: 280/728.2 280/731 280/738 280/738P



Family:

Publication number	Publication date	Application number	Application date
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US7744122 BB	20100629	US20070929133	20071030

Priority:

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US20010925062 20010808 US20020043557 20020111 US20040974919 20041027
US20050131623 20050518 US20070929133 20071030

Probable Assignee: AUTOMOTIVE TECHNOLOGIES INT INC

Assignee(s): (std): AUTOMOTIVE TECH INT

Assignee(s): AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC

Inventor(s): (std): BREED DAVID S

Agent(s): BRIAN ROFFE ESQ; BRIAN

107) Family number: 63983929 (US2017121840A)

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Title: METHODS OF MANUFACTURING STRUCTURES HAVING CONCEALED COMPONENTS

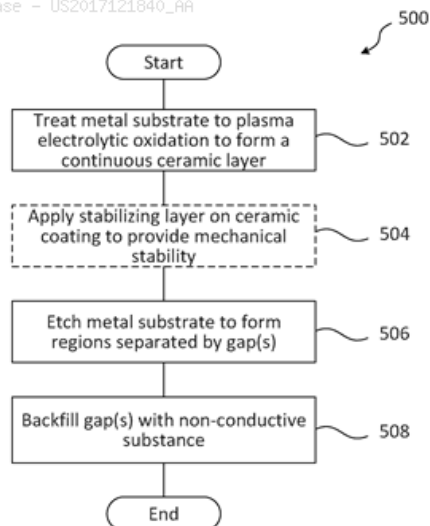
Abstract: The disclosed embodiments include a method of integrating metal elements separated by gaps with a structure that conceals the metal elements and gaps. The method includes treating a metal substrate to a plasma electrolytic oxidation process to form a ceramic layer from a portion of the metal substrate, thereby providing the ceramic layer and an underlying metal portion of the metal substrate. The method further includes etching gap(s) in the underlying metal portion of the metal substrate to form metal elements separated by the gap(s), and backfilling the gap(s) with a non-conductive substance. As such, the metal elements, the non-conductive substance filling the gap(s), and the ceramic layer collectively form a structure

whereby the ceramic layer at least partially conceals the metal elements and the gap(s).

Classifications:

International (IPC 8-9): A61B5/00 A61B5/11 A61B5/1172 A63F13/85 B22F1/00 B22F3/10 B22F3/22 B22F3/24 B22F3/26 B22F5/00 B29C45/16 B29K305/00 B32B15/00 B32B18/00 B32B37/12 B32B7/12 C04B35/46 C04B35/64 C09J131/04 C09J133/00 C09J163/00 C09J175/04 C09J183/00 C09J5/04 C22C1/05 C23C22/00 C23C24/04 C23C4/12 C25D11/02 C25D11/04 C25D11/16 C25D11/18 C25D11/26 C25D11/30 C25F3/08 F21V14/00 F21V8/00 G01C22/00 G01C23/00 G01J1/04 G01J1/42 G01J3/28 G01S17/08 G02B13/00 G02B13/06 G02B26/08 G02B27/00 G02B27/01 G02B27/10 G02B27/22 G02B6/00 G02B7/02 G02F1/13 G02F1/133 G02F1/1333 G02F1/1335 G02F1/13357 G02F1/1347 G02F1/1368 G02F1/15 G03B11/00 G03B11/04 G03B15/00 G03B15/03 G03B17/00 G03B17/14 G03B17/16 G03B17/18 G03B17/56 G03B19/02 G03B19/18 G03B19/22 G03B3/00 G03B37/00 G03B37/04 G03B37/06 G03B7/08 G03B7/099 G06F1/16 G06F13/00 G06F13/14 G06F13/38 G06F13/40 G06F13/42 G06F15/177 G06F17/30 G06F21/32 G06F3/00 G06F3/01 G06F3/03 G06F3/038 G06F3/041 G06F3/042 G06F3/044 G06F3/045 G06F3/047 G06F3/048 G06F3/0481 G06F3/0484 G06F3/0488 G06K G06K13/08 G06K9/00 G06K9/24 G06K9/32 G06K9/60 G06T1/00 G06T11/60 G06T19/00 G06T3/00 G06T3/20 G06T3/40 G06T5/00 G06T5/50 G06T7/174 G06T7/33 G09F9/00 G09F9/30 G09G3/20 G09G3/30 G09G3/32 G09G3/3208 G09G3/3225 G09G3/34 G09G3/36 G09G5/00 G09G5/377 G11B20/00 H01F7/122 H01H13/06 H01L21/02 H01L21/3065 H01L23/58 H01L27/146 H01L27/32 H01L51/50 H01L51/52 H01L51/56 H01Q1/00 H01Q1/12 H01Q1/24 H01Q1/27 H01Q1/36 H01Q1/38 H01Q1/42 H01Q1/44 H01Q1/50 H01Q21/28 H01Q5/22 H01Q9/16 H02J50/10 H02J7/02 H03K17/96 H04B1/00 H04B1/38 H04B1/3816 H04B1/3818 H04B1/3827 H04B1/3883 H04B1/3888 H04B10/25 H04B10/40 H04B10/60 H04B10/80 H04B5/00 H04B5/02 H04B7/00 H04L12/10 H04L29/06 H04L29/08 H04M1/00 H04M1/02 H04M1/03 H04M1/04 H04M1/18 H04M1/21 H04M1/23 H04M1/72 H04M1/725 H04N1/00 H04N1/036 H04N1/04 H04N1/207 H04N1/387 H04N13/02 H04N19/46 H04N5/217 H04N5/222 H04N5/225 H04N5/232 H04N5/235 H04N5/247 H04N5/265 H04N5/30 H04N5/33 H04N5/335 H04N5/345 H04N5/369 H04N5/50 H04N5/64 H04N5/77 H04N7/14 H04N7/15 H04R1/02 H04R1/32 H04R1/34 H04R1/40 H04R3/00 H04R5/027 H04S7/00 H04W4/00 H04W4/80 H04W52/02 H04W88/02 H04W92/04 H05B33/02 H05B33/10 H05B33/28 H05G1/56 H05K1/05 H05K1/09 H05K3/46 H05K5/00 H05K5/02 H05K5/04 H05K7/00 H05K7/02 H05K7/14 (Advanced/Invention); B23H3/00 B23H5/06 B23H9/00 B29K305/00 G02B13/06 G03B17/00 G03B37/00 G03B37/04 G06F1/16 G06F21/60 G06F3/00 G06F3/0481 G06F3/0488 H01H13/06 H01L27/15 H01L27/32 H01Q1/22 H02J50/90 H04M1/04 H04M1/21 H04M1/725 H04N1/00 H04N7/14 H04N7/15 H04N7/18 H04W88/02 (Advanced/Non-invention)
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US: 1/1 343/702 345/173 345/207 345/592 348/14.03 348/333.01 348/333.08 348/335 348/376 348/38 348/47 348/77 349/12 382/124 386/223 455/41.2 455/556.1 455/566 455/575.1 455/90.3 710/106 715/789

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Publication number	Publication date	Application number	Application date
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US20190450727 20190624

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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 JO JP KE KG KH KM KN KP KR KW 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

108) Family number: 66984944 (US2019034851A)

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Title: METHOD AND SYSTEM FOR LOCATING RESOURCES AND COMMUNICATING WITHIN AN ENTERPRISE

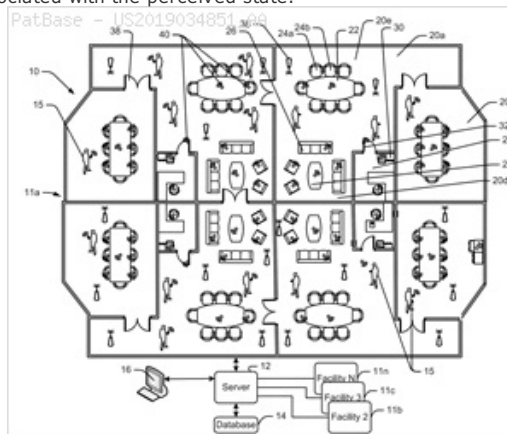
Abstract: An algorithm formulating system for use with a sensing ecosystem for identifying enterprise space states, the sensing ecosystem including a plurality of sensor devices mounted within an enterprise space wherein each sensor device is capable of sensing a plurality of parameters within the enterprise space, the system comprising a processor programmed to perform the steps of accessing a rule set that specifies a first parameter value set that corresponding to a perceived state within a first enterprise space, receiving sensor data from sensor devices within the first enterprise space, comparing the sensor data to the rule set to identify instances of the perceived state, examining sensor data to identify a second parameter value set that occurs at least a threshold percentage of time for the identified instances of the perceived state and using the second parameter value set as the basis for a new rule set to be associated with the perceived state.

Classifications:

International (IPC 8-9): A47B97/00 A47C1/14 A47C21/04 A47C7/74 A47C9/00 G01C21/20 G05B15/02 G06Q10/06 G06Q30/02 H04Q9/00 H04W4/04 H04W4/30 (Advanced/Invention)

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US: 1/1 340/870.07



Family:

Publication number	Publication date	Application number	Application date
US2019034851 AA	20190131	US20180150911	20181003
US9766079 BA	20170919	US20150871097	20150930
US9852388 BA	20171226	US20160179140	20160610
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Priority:

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