

Diego Gonzalez

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Title: Coupled electrochromic compounds with photostable dication oxidation states

Abstract: Source: US2002018281A Coupling of anodic electrochromic compounds by a covalent bond or a bridge link which provides for electronic communication between the coupled electrochromic compounds results in coupled electrochromic compounds which exhibit greater stability as well as electrochromic activity that differs from the monomeric electrochromic compounds. Extension of the absorption spectrum into the near-infrared region of the spectrum is frequently observed. The coupled electrochromic compounds are highly suitable for use in electrochromic media used to produce electrochromic devices.

Classifications:

International (IPC 8-9): B05D5/06 B05D5/12 B23K26/362 B23K26/402 B32B17/06 B32B17/10 B32B7/02 B32B7/14 B60Q1/26 B60R1/02 B60R1/04 B60R1/06 B60R1/07 B60R1/08 B60R1/12 C03C17/36 C09K9/02 C23C14/08 C23C14/46 F16M13/02 G02B1/04 G02B1/10 G02B13/04 G02B27/00 G02B27/14 G02B5/08 G02B5/20 G02B5/26 G02B5/28 G02B7/182 G02F1/00 G02F1/01 G02F1/03 G02F1/061 G02F1/15 G02F1/153 G02F1/155 G02F1/157 G02F1/161 G02F1/163 H05K1/02 H05K3/32 (Advanced/Invention); B60R1/04 B60R1/06 B60R1/08 C23C14/08 C23C14/34 G02F1/1345 G02F1/15 G02F1/155 G02F1/157 G02F1/161 H05K1/03 (Advanced/Non-invention); B05D5/06 B32B7/02 B60R1/06 B60R1/08 B60R1/12 C23C14/46 G02B1/04 G02B27/00 G02B5/08 G02B5/20 G02B5/26 G02B5/28 G02F1/00 G02F1/01 H05K1/02 H05K3/32 (Core/Invention); H05K1/03 (Core/Non-invention); B60R (Subclass/Invention)

International (IPC 1-7): B60R1/08 G02B27/00 G02F1/15 G02F1/153 G02F1/161

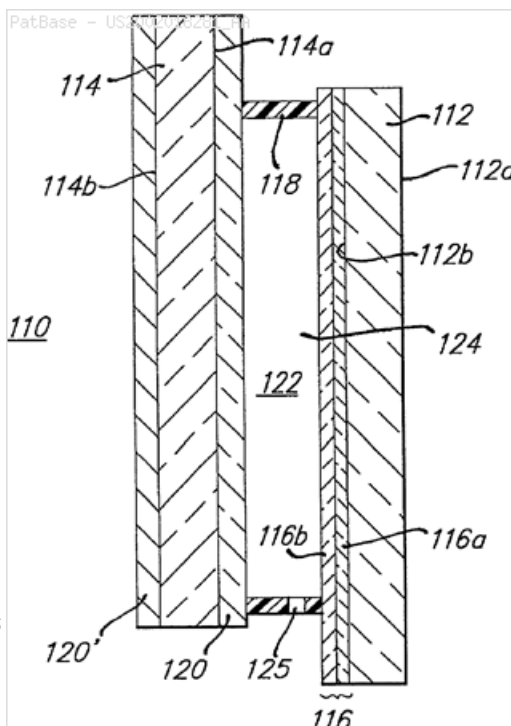
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Family:

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US20170603841	20170524				

Probable Assignee: GENTEX CORP

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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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: APPARATUS AND METHOD FOR MEASURING BIOLOGIC PARAMETERS

Abstract: Source: US2004059212A Support structures for positioning **sensors** on a physiologic tunnel for measuring physical, chemical and biological parameters of the body and to produce an action according to the measured value of the parameters. The support structure includes a **sensor** fitted on the support structures using a special geometry for acquiring continuous and undisturbed data on the physiology of the body. Signals are transmitted to a remote station by wireless transmission such as by electromagnetic waves, radio waves, infrared, sound and the like or by being reported locally by audio or visual transmission. The physical and chemical parameters include brain function, metabolic function, hydrodynamic function, hydration status, levels of chemical compounds in the blood, and the like. The support structure includes patches, clips, eyeglasses, head mounted gear and the like, containing passive or active **sensors** positioned at the end of the tunnel with sensing systems positioned on and accessing a physiologic tunnel.

Classifications:

International (IPC 8-9): A41D20/00 A42B3/04 A42C5/02 A61B A61B10/00 A61B5/00 A61B5/01 A61B5/02 A61B5/0205 A61B5/021 A61B5/024 A61B5/04 A61B5/0476 A61B5/05 A61B5/053 A61B5/103 A61B5/11 A61B5/117 A61B5/145 A61B5/1455 A61B5/1486 A61B6/00 A61B8/08 A61F7/00 A61F7/12 A61K31/01 A61K31/785 A61K33/44 A61L27/54 A61L29/10 A61L31/08 A61L33/02 A61M21/02 A61P7/02 A61P9/04 B60H1/00 B60K28/06 B60T7/14 B60W10/00 B60W40/08 B60W50/00 B62D6/00 F24F11/02 G01B11/24 G01J1/02 G01J5/00 G01J5/10 G01K G01K1/00 G01K1/02 G01K1/16 G01K13/00 G01K13/02 G01K7/00 G01N21/35 G02B27/00 G02C11/00 G08B5/36 H04N5/225 H04N5/33 H04N7/18 (Advanced/Invention); A61B5/00 A61B5/01 A61B5/02 A61B5/0205 A61B5/04 A61B5/145 A61B5/1491 A61B8/08 G01K7/22 (Advanced/Non-invention); A61B10/00 A61B5/00 A61B5/01 A61K31/01 A61K31/74 A61K33/44 A61L27/00 A61L29/00 A61L31/08 A61L33/00 A61P7/00 A61P9/00 F24F11/02 (Core/Invention); A61B G01K G01N (Subclass/Invention)

International (IPC 1-7): A61B5/00 A61B5/01 A61B5/04 G01B11/24 G01K1/02 G01N0/00 G02B27/00 G02C11/00

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PatBase - US2004059212_AA

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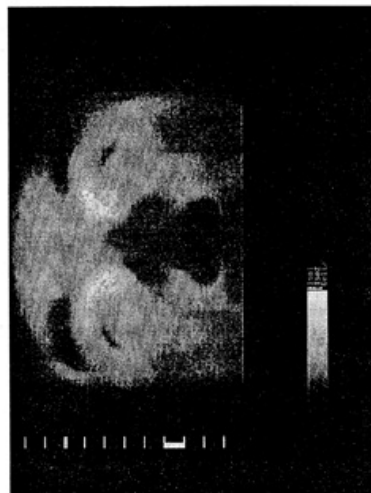


FIG. 1A

Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20160234471	20160811				

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BIRD AND BIRD LLP; JACOBSON HOLMAN PLLC; STUDEBAKER AND BRACKETT PC; SCHERER
JONATHAN L
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 YU ZA ZM ZW

Designated states:

Title: LED TUBE LAMP

Abstract: Source: US2016091147A A light-emitting diode (LED) tube lamp comprises a lamp tube, a first rectifying circuit, a filtering circuit and an LED driving module. The lamp tube has a first pin and a second pin for receiving an external driving signal. The first rectifying circuit is coupled to the first and second pins, for rectifying the external driving signal to produce a rectified signal. The filtering circuit is coupled to the first rectifying circuit, for filtering the rectified signal to produce a filtered signal. The LED driving module is coupled to the filtering circuit to receive the filtered signal for emitting light. Wherein, the filtering circuit includes a capacitor and an inductor connected in parallel and between one of the first and second pins and the first rectifying circuit, and the parallel-connected capacitor and inductor are configured for presenting a peak equivalent impedance to the external driving signal at a specific frequency.

Classifications:

International (IPC 8-9): A23L11/00 A23N12/02 B05D3/02 B23K1/00

B23K3/047 C09J11/04 C09J161/06 C09J193/02 C09J193/04

F16B11/00 F21K9/20 F21K9/23 F21K9/232 F21K9/237 F21K9/238

F21K9/27 F21K9/272 F21K9/275 F21K9/278 F21K9/60 F21K9/65

F21K9/66 F21K9/68 F21K99/00 F21S2/00 F21S4/00 F21S4/24

F21S4/28 F21S9/00 F21V11/00 F21V13/02 F21V15/00 F21V15/015

F21V15/02 F21V17/00 F21V17/08 F21V17/10 F21V17/12 F21V17/16

F21V19/00 F21V19/02 F21V21/00 F21V21/002 F21V21/096

F21V21/22 F21V21/34 F21V23/00 F21V23/02 F21V23/04 F21V23/06

F21V25/00 F21V25/02 F21V25/04 F21V25/10 F21V25/12 F21V29/00 F21V29/10 F21V29/503 F21V29/508 F21V29/70

F21V29/71 F21V29/74 F21V29/83 F21V29/85 F21V29/87 F21V29/89 F21V29/90 F21V3/00 F21V3/02 F21V3/04 F21V31/00

F21V5/00 F21V5/08 F21V7/00 F21V7/10 F21V7/20 F21V7/22 F21V9/08 F21Y101/02 F21Y103/00 F21Y103/10 F21Y103/37

F21Y115/10 H01J13/46 H01J17/34 H01J19/78 H01J23/16 H01J29/96 H01J7/44 H01K1/62 H01L33/60 H02H3/16 H05B33/08

H05B37/00 H05B37/02 H05B39/00 H05B41/00 H05B41/14 H05B6/10 H05K1/02 H05K1/11 H05K1/18 H05K3/34

H05K3/36 (Advanced/Invention);

F21K9/27 F21K9/272 F21K9/278 F21V15/015 F21V17/10 F21V23/00 F21V23/02 F21V29/70 F21V29/83 F21V7/00 F21Y101/00

F21Y101/02 F21Y103/00 F21Y103/10 F21Y103/37 F21Y113/10 F21Y115/10 F21Y2103/10 F21Y2115/10 H01L33/20 H01L33/48

H01R11/30 H01R13/62 H05K1/18 (Advanced/Non-invention);

F21K F21S F21V (Subclass/Invention);

F21Y (Subclass/Non-invention)

CPC: H01L33/486 H01L33/60 F21V9/08 H01L2224/45147 F21V17/00 F21V17/08 F21V21/00 F21V13/02 F21K9/90 F21V3/0427

H01L2224/48091 F21V3/049 F21V23/026 Y02B20/383 Y02B20/386 H05B33/0857 F21V5/00 H01R13/6205 H01R11/30

H01L33/20 F21K9/17 F21V19/001 F21V15/00 F21V17/10 F21V23/005 F21V23/004 F21K9/238 F21K9/237 F21Y2105/12

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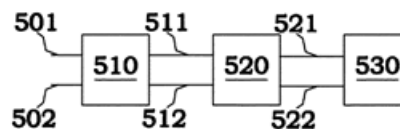
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F21K9/272 F21Y2103/10 F21Y2107/70 F21Y2115/10 H05K1/118 H05K1/189 H05K2201/09181 H05K2201/0969

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Family:

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Probable Assignee: JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO LTD

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Assignee(s): ZHEJIANG SUPER LIGHTING APPLIANCE CO ; ZHEJIANG SUPER LIGHTING ELECTRIC APPLIANCE CO ; SHANGHAI MINGSHI PHOTOELECTRIC SCIENCE AND TECHNOLOGY CO ; XIONG AIMING ; SUN XIAO ; ZHANG YUEQIANG ; YE QIFENG ; LIU XINTONG ; YANG CHANG ; YAO WENTAO ; XU HONG ; SHANGHAI MING WING OPTOELECTRONICS TECHNOLOGY CO ; JIAXING SUPER LIGHTING ELECTRIC APPLIANCE COLTD ; JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO ; JIANG WENJANG ; CHONGQING YONGCHUAN TEMPEH FOOD CO LTD ; JIAXING SHAN PO LIGHTING CO LTD ; JIAXING SUPER LIGHT ELECTRIC APPLIANCE CO ; JIANG TAO ; CHEN SHAULIANG ; CHONGQING YONGCHUAN FERMENTED SOY BEAN FOOD CO ; HU HECHEN ; HU CHANGWEI

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Agent(s): FISHER ADAMS KELLY CALLINANS; GOWLING WLG CANADA LLP; VON KREISLER SELTING WERNER PARTNERSCHAFT VON PATENTANWALTEN U RECHTSANWALTEN MBB; JOHN STEFANO PASQUALE; ROBERTS MLOTKOWSKI SAFRAN COLE AND CALDERON PC; ANDREW M; MUIR PATENT LAW PLLC; CHINA SINDA INTELLECTUAL PROPERTY LTD; BEIJING EAST IP LTD

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

Title: STRETCHABLE SEMICONDUCTOR ELEMENTS AND STRETCHABLE ELECTRICAL CIRCUITS

Abstract: Source: US2006038182A The invention provides methods and devices for fabricating printable semiconductor elements and assembling printable semiconductor elements onto substrate surfaces. Methods, devices and device components of the present invention are capable of generating a wide range of **flexible** electronic and optoelectronic devices and arrays of devices on substrates comprising **polymeric** materials. The present invention also provides stretchable semiconductor structures and stretchable electronic devices capable of good performance in stretched configurations.

Classifications:

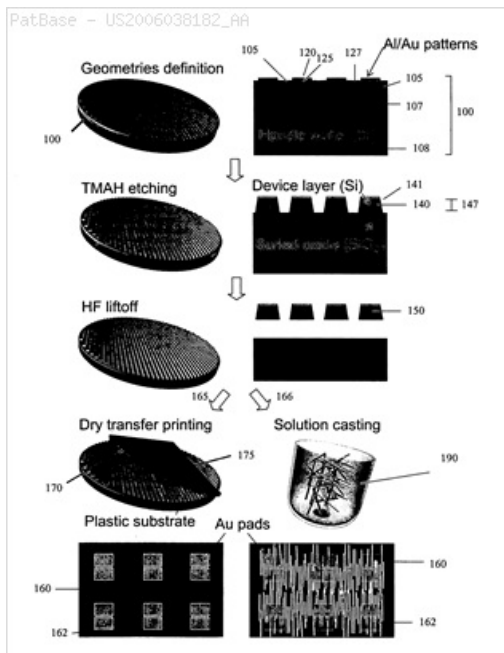
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Probable Assignee: BOARD OF TRUSTEES OF UNIV OF ILLINOIS

Assignee(s): (std): AHN JONG HYUN ; BOARD OF TRUSTEES OF UNIV OF ILLINOIS ; HUANG YOUNG ; CARLSON ANDREW ; HUANG YONGGANG ; CHOI WON MOOK ; NUZZO RALPH G ; ROGERS JOHN A ; MENARD ETIENNE ; LEE KEON JAE ; KHANG DAHL YOUNG ; SUN YUGANG ; MEITL MATTHEW ; BOARD OF TRUSTEES OF UNIV OF ILLINOI ; ILLINOIS BOARD OF TRUSTEES OF UNIV OF ; STOYKOVICH MARK ; JIANG HANQING ; KO HEUNG CHO ; MACK SHAWN ; SUPERVISORS OF TRUSTEES OF UNIV OF ILLINOIS BOARD OF ; KIM HOON SIK ; KANG SEONG JUN ; ILLINOIS UNIV ; TRUSTEES OF UNIV OF ; ZHU ZHENGTAO ; TRUSTEES OF UNIV OF ILLINO ; UNIV ILLINOIS ; ILLINOIS UNIVERSITY ; JIANG HANGING ; KHANG DAHI YOUNG ; SUPERVISORS OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS BOARD OF ; KO HUENG CHO ; TRUSTEES OF THE UNIV OF ILLINOIS BOARD OF ; TRUSTEES OF THE UNIVERSITY OF ILLINOI BOARD OF ; TRUSTEES OF UNIV OF ILLINOIS BOARD OF ; TRUSTEES OF UNIV OF ILLINOI BOARD OF ; TRUSTEES OF UNIV OF IIIINOIS BOARD OF

Assignee(s): THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS ; THE BOARD OF TRUSTEES OF THE UNIVERSITY ; THE BOARD OF SUPERVISORS OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS ; UNITED STATES DEPARTMENT OF ENERGY ; UNIV ALABAMA ; NATIONAL SCIENCE FOUNDATION ; BOARD OF TRUSTEES OF UNIV OF IIIINOIS ; BOARD OF TRUSTEES OF UNIV OF ILLINOIS URBANA ; THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI ; ENERGY UNITED STATES DEPARTMENT OF ; BOARD OF SUPERVISORS OF TRUSTEES OF UNIV OF ILLINOIS ; BOARD OF TRUSTEES OF UNIVERSITY OF ILLINOIS ; BOARD OF TRUSTEES OF ILLINOIS UNIV ; BOARD OF TRUSTEES OF THE UNIV OF ILLINOIS ; BOARD OF TRUSTEES OF UNIV ; BOARD OF TRUSTEES OF UNIV ILLINOIS

Inventor(s): (std): HOON SIK KIM ; HUANG YOUNG ; JAE LEE KEON ; JONG HYUN AHN ; KANG SEONG JUN ; KEON JAE LEE ; KHANG DAHL YOUNG ; AHN JONG HYUN ; ANDREW CARLSON ; CHO KO HEUNG ; DAHL YOUNG KHANG ; ETIENNE MENARD ; HANQING JIANG ; KO HEUNG C ; KO HEUNG CHO ; LEE KEON J ; LEE KEON JAE ; MARK STOYKOVICH ; MATTHEW MEITL ; MEITL MATTHEW ; KIM HOON SIK ; MENARD ETIENNE ; MOOK CHOI WON ; NUZZO RALPH G ; MICK S ; CHO KO HUENG ; ZHU ZHENG TAO ; NUZO RALPH G ; LEE KEONG JAE ; SUN YU GANG ; KHANG DAHI YOUNG ; JOHN A ROGERS ; HUENG CHO KO ; DAL YAN KANG ; STOYKOVICH MARK ; JIANG HANQING ; HUANG YONGGANG ; CHOI WON MOOK ; CARLSON ANDREW ; SHAWN MACK ; MACK SHAWN ; KO HUENG CHO ; JIANG HAN QING ; JIANG HANGING ; RALPH G NUZZO ; ROGERS JOHN A ; SEONG KANG JUN ; SUN YUGANG ; YONGGANG HUANG ; YUGANG SUN ; ZHENGTAO ZHU ; ZHU ZHENGTAO

Inventor(s): ZHU ZHENGTAO RAPID CITY ; ZHU YUGANG WESTMONT ; ROGERS JOHN A CHAMPAIGN ; ROGERS JOHN ; NUZZO RALPH G CHAMPAIGN ; NUZZO RALPH ; MENARD ETIENNE DURHAM ; KO HEUNG ; MEITL MATTHEW RALEIGH ; LEE KEON JAE TOKYO ; MACK SHAWN GOLETA ; KO HEUNG CHO URBANA ; LEE

KEON ; HEUNG CHO KO ; KHANG DAHL YOUNG AND ; KHANG DAHL YOUNG URBANA ; KHANG, DAHL-YOUNG

Agent(s):

BOEHMERT AND BOEHMERT ANWALTSPARTNERSCHAFT MBB PATENTANWAELTE RECHTSANWAELTE;
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SUMMERER STUETZ; GREENLEE WINNER AND SULLIVAN P C; GREENLEE SULLIVAN PC; GREENLEE
WINNER AND SULLIVAN PC; GREENLEE SULLIVAN P C; LATHROP AND GAGE LLP; LATHROP GAGE LLP;
CHAPMAN GARY B 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 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 YU ZA ZM ZW

Title: MODULAR-ACCESSIBLE-TILES PROVIDING ACCESSIBILITY TO CONDUCTORS AND PIPING WITH IMPROVED SOUND ISOLATION

Abstract: Source: US4546024A An array of gravity-held-in-place-load-bearing-horizontal-modular-accessible-tiles, composite-modular-accessible-tiles, and resilient-composite-modular-accessible-tiles with **flexible** joints between adjacent modular-accessible-tiles in which the **flexible** joints are cuttable, accessible and resealable to provide accessibility to conductors disposed above or below one or more horizontal-disassociation-cushioning **layers**, requiring fluidtight-**flexible**-assembly-joints between adjacent modular-accessible-tiles to assemble the modular-accessible-tiles by gravity, friction, and accumulated-interactive-assemblage into a floating finished floor array without adhering the modular-accessible-tiles to the horizontal-base-surface. A horizontal-disassociation-cushioning-**layer** provides accommodation for the thickness variations caused by termination and crossing over of **layers** of conductors and also provides improved impact sound isolation. An array of gravity-held-in-place-load-bearing-horizontal-modular-accessible-tiles, composite-modular-accessible-tiles, and resilient-composite-modular-accessible-tiles with **flexible** joints between adjacent modular-accessible-tiles in which the **flexible** joints are cuttable, accessible and resealable to provide accessibility from the entire top side to a resilient substrate, to horizontal-rigid-foam-**insulation** or to a three-dimensional-passage-and-support-matrix formed to accept and index varying combinations of electrical conductors, electronic signal and data conductors, fluid energy conductors, fluid conductors, and outlet-junction-boxes. The resilient substrate, horizontal-rigid-foam-**insulation** or three-dimensional-passage-and-support-matrix provide support for the array of modular-accessible-tiles, composite-modular-accessible-tiles or resilient-composite-modular-accessible-tiles with the cuttable, accessible and resealable fluidtight-**flexible**-assembly-joints joining the modular-accessible-tiles into an array held in place by gravity, friction and accumulated-interactive-assemblage. One or more horizontal-disassociation-cushioning-**layers** may be disposed above or below the three-dimensional-passage-and-support-matrix to provide improved impact sound isolation.

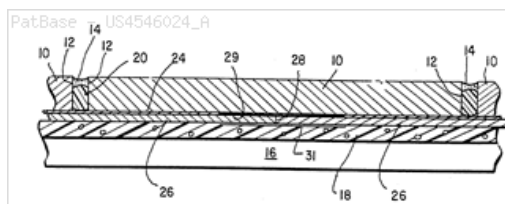
Classifications:

International (IPC 8-9): B32B15/04 B32B15/08 B32B15/10 B32B18/00 B32B3/10 B32B3/14 B32B3/16 B32B5/18 E04F13/08 E04F15/02 E04F15/024 E04F15/08 E04F15/16 E04F15/18 E04F15/20 E04F15/22 (Advanced/Invention); B32B15/04 B32B15/08 B32B15/10 B32B18/00 B32B3/10 B32B3/14 B32B5/18 E04F13/08 E04F15/02 E04F15/024 E04F15/08 E04F15/16 E04F15/18 E04F15/20 E04F15/22 (Core/Invention)

International (IPC 1-7): B32B15/04 B32B15/08 B32B15/10 B32B18/00 B32B3/00 B32B3/10 B32B3/14 B32B3/16 B32B5/18 E04B9/00 E04F13/08 E04F15/02 E04F15/024 E04F15/08 E04F15/16 E04F15/20 E04F15/22 F02M21/02 CPC: Y10T428/16 Y10T428/163 Y10T428/168 Y10T428/24752 Y10T428/26 Y10T428/166 Y10T428/168 E04F15/02494 E04F15/08 E04F15/02429 E04F15/024 E04F15/02447 E04F15/02016 E04F15/20 E04F15/0215 E04F15/186

European: E04F15/024 E04F15/024B3B1 E04F15/024D E04F15/02A E04F15/08 E04F15/20

US: 428/189 428/332 428/44 428/47 428/49 428/51 428/54 428/57 428/77 52/126.5 52/126.6 52/220 52/220.3 52/220.7 52/309.13 52/384 52/385 52/390



Family:

Publication number	Publication date	Application number	Application date
AU198544018 A1	19861224	AU19850044018	19850528
AU198825500 A1	19890418	AU19880025500	19881005
AU4401885 A1	19861224	AU19850044018D	19850528
AU591633 B2	19891214	AU19850044018	19850528
EP0228366 A1	19870715	EP19850902877	19850528
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US4546024 A	19851008	US19820391760	19820624
US4681786 A	19870721	US19840567151	19840103
US4698249 A	19871006	US19850783309	19851002
US5111627 A	19920512	US19900506644	19900406
US5205091 A	19930427	US19910737885	19910725
WO8607008 A1	19861204	WO1985US00976	19850528
WO8902961 A1	19890406	WO1988US03455	19881005

Priority:

AU19850044018	19850528	US19800131516	19800318	US19870106204	19871005
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US19900506644	19900406	US19890436158	19891113		

Probable Assignee: BROWN J G

Assignee(s): (std): BROWN J G ; BROWN J GALE ; BROWN JOHN G ; BURAUN JON JII

Assignee(s): JOHN G BROWN ; BROWN JG

Inventor(s): (std): BURAUN JON JII ; BROWN JOHN G ; BROWN J GALE

Inventor(s): JOHN G BROWN

Agent(s): FB RICE; FB RICE PTY LTD

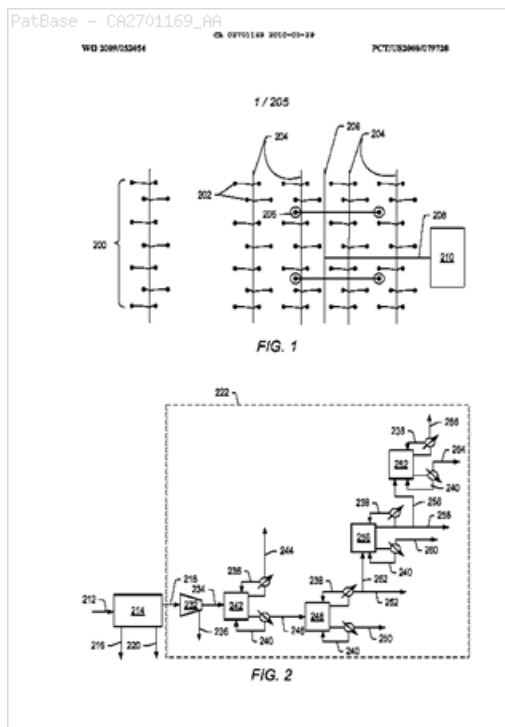
Designated states: AT AU BE BR CH DE FR GB IT JP LI LU NL SE SU

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

Abstract: Source: GB2465911A Systems, methods, and/or heaters for treating a subsurface formation are described herein. Some embodiments also generally relate to heaters that have novel components therein. Such heaters may be obtained by using the systems and methods described.

Classifications:

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



Family:

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

Priority:

AU20080312713 20081013 AU20120203096 20120525 US20080046329P 20080418
US20070999839P 20071019 WO2008US79728 20081013

Probable Assignee: SHELL INT RESEARCH

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

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

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

Agent(s): CRUZ
SPRUSON AND FERGUSON

Title: HEATING BLANKET

Abstract: Source: US2008230530A An electric heating blanket including a **flexible** sheet-like heating element and a shell. The shell covers the heating blanket and includes two sheets of **flexible** material welded together.

Classifications:

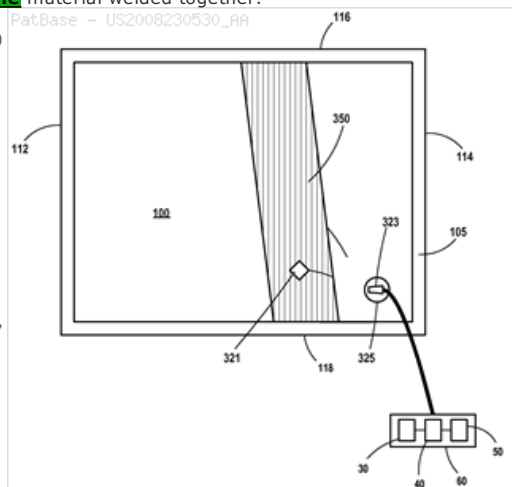
International (IPC 8-9): A47C21/04 A61B18/16 A61F7/00 B23K13/00 B23K20/10 B23K20/22 B29C65/08 B29C65/14 B29C65/48 H05B1/00 H05B1/02 H05B3/00 H05B3/06 H05B3/10 H05B3/12 H05B3/14 H05B3/16 H05B3/28 H05B3/34 H05B3/36 (Advanced/Invention); H05B3/34 (Advanced/Non-invention); H05B1/00 H05B3/10 H05B3/34 (Core/Invention)

CPC: H05B3/342 H05B2203/033 H05B1/0272 H05B3/347

A47C21/048 B29C65/08 B29C65/1403 B29K2027/06 B23K20/10 B23K20/22 B23K13/00 B29K2075/00 B29L2009/00 B29L2031/779 A61F7/007 A61F7/0097 A61F2007/0071 H05B3/145 H05B3/146 H05B2203/016 H05B2203/011 B29C65/48 H05B3/36 A61B2018/167 A61B18/16 A61F7/08 A61F2007/0093 A61F2007/0096 H05B2203/013 H05B3/34

European: H05B3/34B T05B203/011 T05B203/033

US: 156/272.2 156/308.4 156/73.4 156/93 219/211 219/212 219/217 219/505 219/528 219/529 219/529S 219/544 219/545 219/548 219/548S 219/549 219/549S 219/552 219/553



Family:

Publication number	Publication date	Application number	Application date
EP3217906 A1	20170920	EP20150797811	20151113
US2008230530 AA	20080925	US20080050806	20080318
US2012312797 AA	20121213	US20120460368	20120430
US2014263265 AA	20140918	US20140287292	20140527
US2015327332 AA	20151112	US20150801875	20150717
US2015366367 AA	20151224	US20150842496	20150901
US2015373781 AA	20151224	US20150842533	20150901
US2016143091 AA	20160519	US20150940828	20151113
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Priority:

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US20140287292	20140527	US20120422279	20120316	US20140079076P	20141113
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US20150842533	20150901	US20150940828	20151113	WO2015US60659	20151113

Probable Assignee: AUGUSTINE TEMPERATURE MAN LLC

Assignee(s): (std): AUGUSTINE TEMPERATURE MAN LLC ; DEIBEL RUDOLF A ; ENTENMAN SCOTT A ; AUGUSTINE SCOTT D ; AUGUSTINE RYAN S ; ENTENMAN SCOTT A ; ARNOLD RANDALL C ; AUGUSTINE BIOMEDICAL AND DESIG ; AUGUSTINE BIOMEDICAL AND DESIGN LLC ; AGUSTINE TEMPERATURE MAN LLC ; LAWRENCE GORDON D ; NEILS THOMAS F ; LELAND KEITH J

Assignee(s): AGUSTINE TEMPERATURE MANAGEMENT LLC ; AUGUSTINE TEMPERATURE MANAGEMENT LLC ; HOT DOG INT ; HOT DOG INT LLC

Inventor(s): (std): ARNOLD RANDALL C ; AUGUSTINE RYAN S ; AUGUSTINE SCOTT D ; DEIBEL RUDOLF A ; ENTENMAN SCOTT A ; LAWRENCE GORDON D ; LELAND KEITH J ; NEILS THOMAS F ; ENTENMAN SCOTT A ; DEIBEL RUDOLF ANDREAS ; AUGUSTINE GARRETT J ; AUGUSTINE BRENT M

Agent(s): HOWE STEVEN; INTELLECTUAL PROPERTY GROUP FREDRIKSON AND BYRON PA; FREDRIKSON AND BYRON PA; GOLOMB JORDAN R ET AL

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

Title: LITHOGRAPHIC PLATES MADE BY SPARK DISCHARGES

Abstract: Source: US4911075A A lithographic plate for printing without dampening comprising a strong stable substrate, an oleophobic surface **layer** on the substrate and an oleophilic surface underlying the surface **layer**, the surface **layer** being decomposable by spark discharges originating from a non-contacting electrode scanned across the plate surface. A preferred plate embodiment includes a multiplicity of tiny electrically conductive peaks in the plate which point away from the substrate and are in a relatively uniform distribution across the plate surface area.

Classifications:

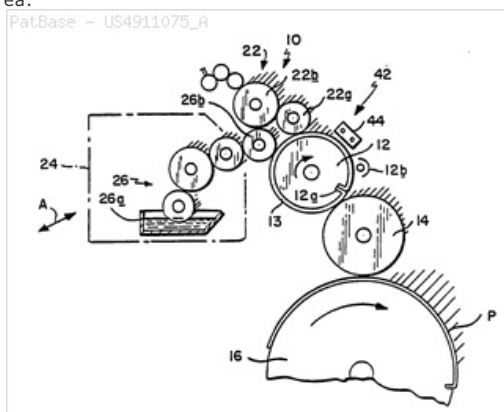
International (IPC 8-9): B08B1/04 B08B15/04 B23H1/02 B23H9/06 B41C1/04 B41C1/05 B41C1/055 B41C1/10 B41C1/14 B41F31/02 B41F33/00 B41F35/00 B41F35/02 B41F7/02 B41J2/425 B41J2/525 B41L19/00 B41M5/24 B41N1/00 B41N1/08 B41N1/10 B41N1/14 B41N3/03 B41N3/08 G01B13/12 G01D15/08 G03F7/00 G03F7/004 G03G13/28 H04N1/032 H04N1/23 (Advanced/Invention); B41C1/10 B41J2/425 (Core/Invention)

International (IPC 1-7): B23H1/02 B23H9/06 B41C1/04 B41C1/05 B41C1/055 B41C1/10 B41C1/14 B41F31/00 B41F33/00 B41F35/00 B41F35/02 B41F7/00 B41F7/02 B41J2/425 B41J2/525 B41L19/00 B41M5/24 B41N1/00 B41N1/08 B41N1/10 B41N1/14 B41N3/08 G01B13/12 G01D15/08 G03F7/00 G03F7/004 G03G13/28 H04N1/06 H04N1/23

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US: 10/113.6 101/136 101/142 101/183 101/365 101/425 101/453 101/457 101/458 101/459 101/467 101/483 101/489 101/DIG.47 219/69.13 219/69.18 346/135.1 346/162 346/163 346/164 347/159 347/160 347/161 347/162 400/59 428/161 428/908 430/278.1 430/964 73/37.5 D24/129



Family:

Publication number	Publication date	Application number	Application date
AT131778 E	19960115	AT19910914429T	19910613
AT141216 E	19960815	AT19920904634T	19920107
AT146126 E	19961215	AT19910309449T	19911015
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Priority:

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WO1991US07186	19910930	WO1992US00314	19920107		

Probable Assignee: PRESSTEK INC

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Assignee(s): PURESUTEKU INC ; PNC BANK NATIONAL ASSOCIATION AS AGENT ; PNC BANK NATIONAL ASSOCIATION AGENT AS ; PRESSTEK INC 8 COMMERCIAL STREET HUDSON NH 03051 ; PRESSTEK INC 8 COMMERCIAL AVENUE HUDSON NH 03051 ; PRESSTEK INC HUDSON N H US ; ROBERTS HARRY ; WILLIAMS RICHARD A ; PRESSTEK LLC WAS PRESSTEK INC.. ; FULLER DOUGLAS D ; GARDINER JOHN P ; HOWARD LAWRENCE A ; KLINE JOHN F ; LAPONSEY STEPHEN M ; LEWIS THOMAS E ; NOWAK MICHAEL T ; PENSAVECCHIA FRANK G

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Agent(s): SMART AND BIGGAR

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

Title: Thermoformed platform

Abstract: Source: US2001029874A Articles constructed of a plurality of scuffed sheets have improved sheet-to-sheet bond strength and surfaces with high coefficients of friction. Articles constructed out of three scuffed sheets include exterior intumescent **polymeric** surfaces resisting the spread of combustion flames and **insulating** the interior surfaces from the high temperature of fire. Articles include electronic apparatus sending an emergency 911 call to a remote monitoring station. Articles are advantageously reinforced with optional rigidifying structures without article modification. Members are joined with snap together features providing an assembled article. Articles include handles for ergonomic manipulation by workers. Articles include elements amenably receiving unitization accessories. The article improvements are demonstrated in the form of industrial platforms, particularly material handling pallets.

Classifications:

International (ipc 8-9): B23P17/00 B29C47/02 B29C47/78 B29C51/26 B29C65/02 B29C67/00 B32B41/00 B65D19/00 B65D19/38 B65D19/44 C08K3/00 C08K3/28 C08K3/38 C08K5/00 C08K5/1515 C08K5/3492 C08K5/49 C08K5/521 C08L23/00 C08L23/06 C08L23/08 C09K21/10 C09K21/14 G06F19/00 G06F21/00 G06F21/24 G06K19/067 G06K19/077 G06K7/00 G06Q21/06 G06Q50/28 G08B1/08 G08B13/14 G08B13/24 G08B26/00 H01Q1/22 H01Q21/24 H01Q21/28 H04W4/02 (Advanced/Invention); H04W88/06 (Advanced/Non-invention); B65D19/00 B65D19/38 C08K3/00 C08K5/00 C08L23/00 C09K21/00 G08B13/14 G08B13/24 G08B26/00 (Core/Invention)

International (ipc 1-7): B65D19/00 B65D19/12 B65D19/16 B65D19/38 C08K3/00 C08K3/38 C08K5/00 C08K5/29 C08K5/49 C08L23/06 C08L23/08 C09K21/00 C09K21/14 G08B1/08 G08B13/14 G08B21/00 G08B26/00

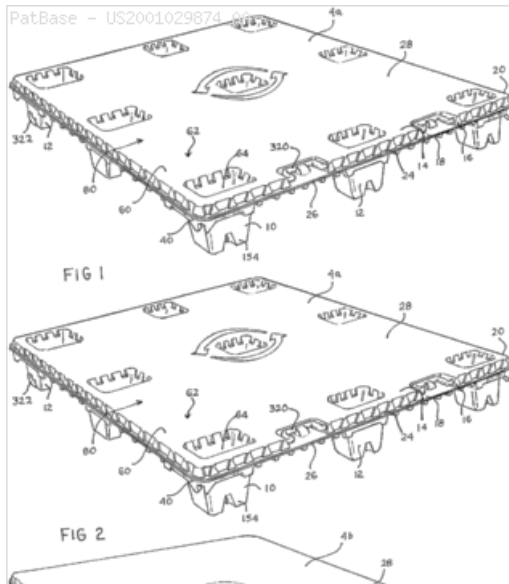
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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20140526025	20141028				

Probable Assignee: ENERDEL INC

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Assignee(s): NANO ENER INC ; WILMINGTON TRUST NATIONAL ASSOCIATION ; MUIRHEAD SCOTT AW ; NEXTREME LLC R ; NEXTREME LLC BOX ; ENER1 INC ; ENERFUEL INC ; DELPHI TECHNOLOGIES INC ; BZINFIN SA

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Inventor(s): MUIRHEAD SCOTT AW ; ABU ISA ISMAT ; MUIRHEAD SCOTT AUTHUR WILLIAM

Agent(s): MCDONOUGH JONATHAN; JIMMY L FUNKE DELPHI TECHNOLOGIES INC; PRICE AND ADAMS PC; PRICE AND ADAMS; HOWARD AND HOWARD ATTORNEYS PC; HARNESS DICKEY AND PIERCE PLC

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 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

Title: RENAL NERVE STIMULATION METHOD AND APPARATUS FOR TREATMENT OF PATIENTS

Abstract: Source: US2003216792A A method and apparatus for treatment of heart failure, hypertension and renal failure by stimulating the renal nerve. The goal of therapy is to reduce sympathetic activity of the renal nerve. Therapy is accomplished by at least partially blocking the nerve with drug infusion or electrostimulation. Apparatus can be permanently implanted or catheter based.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/05 A61B1/12 A61B10/00 A61B17/00 A61B17/12 A61B17/22 A61B17/34 A61B18/00 A61B18/02 A61B18/04 A61B18/08 A61B18/12 A61B18/14 A61B18/16 A61B18/18 A61B19/00 A61B5/00 A61B5/01 A61B5/0408 A61B5/042 A61B5/055 A61B8/06 A61B8/08 A61B8/12 A61F2/00 A61F2/958 A61F7/00 A61F7/10 A61F7/12 A61H1/00 A61K31/13 A61K31/135 A61K31/165 A61K31/195 A61K31/198 A61K31/40 A61K31/4168 A61K31/435 A61K31/445 A61K31/506 A61K31/519 A61K31/52 A61K31/529 A61K38/48 A61K45/00 A61K45/06 A61K49/00 A61K9/00 A61K9/22 A61K9/70 A61L15/58 A61L29/14 A61L31/00 A61M25/00 A61M25/01 A61M25/10 A61M29/00 A61M31/00 A61M37/00 A61M5/00 A61M5/14 A61M5/142 A61M5/145 A61M5/158 A61M5/172 A61M5/32 A61M5/44 A61N1/00 A61N1/02 A61N1/04 A61N1/05 A61N1/06 A61N1/08 A61N1/10 A61N1/18 A61N1/20 A61N1/28 A61N1/30 A61N1/32 A61N1/36 A61N1/372 A61N1/375 A61N1/378 A61N1/39 A61N1/40 A61N5/00 A61N5/02 A61N5/04 A61N5/06 A61N7/00 A61N7/02 A61P25/00 A61P25/24 B60R25/00 B60R25/10 B60R25/24 E05B81/60 H03C3/09 H03M5/12 H04Q7/18 H04Q7/32 (Advanced/Invention); A61B17/00 A61B17/22 A61B18/00 A61B18/02 A61B18/08 A61B18/12 A61B18/14 A61B18/18 A61B19/00 A61B5/053 A61B5/20 A61F2/00 A61F2/958 A61F7/00 A61F7/10 A61F7/12 A61M1/36 A61M25/01 A61M5/142 A61N1/05 A61N1/20 A61N1/32 A61N1/36 A61N1/362 A61N1/372 A61N1/40 A61N5/06 A61N7/00 A61N7/02 (Advanced/Non-invention); A61B18/04 A61B18/12 A61B18/14 A61B18/18 A61B5/01 A61B5/055 A61B8/12 A61F2/00 A61F2/06 A61F7/00 A61F7/12 A61K9/22 A61M25/00 A61M29/00 A61M37/00 A61M5/32 A61N1/00 A61N1/04 A61N1/05 A61N1/08 A61N1/18 A61N1/30 A61N1/32 A61N1/36 A61N1/372 A61N1/40 A61N7/00 B60R25/00 B60R25/10 H03C3/00 H04Q7/18 H04Q7/32 (Core/Invention); A61B18/04 A61B18/12 A61N1/362 (Core/Non-invention)

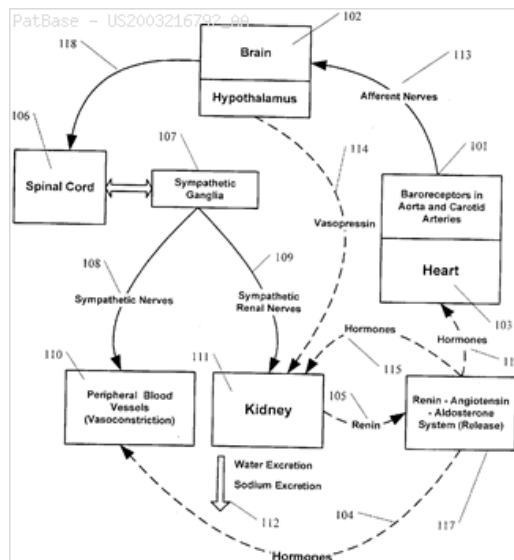
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Probable Assignee: MEDTRONIC ARDIAN LUXEMBOURG

Assignee(s): (std): DEEM MARK E ; DEMARALS DENISE ; CHANG STEVEN ; LEVIN HOWARD R ; GELFAND MARK ; GIFFORD HANSON III ; GIFFORD HANSON ; G AND L CONSULTING LLC ; ARDINA INC ; DEEM MARK ; DEMARALS DENISE ; CLARK BENJAMIN J ; GIFFORD III HANSON ; MEDTRONIC ADRIAN LUXEMBOURG S A R L ; ADRIAN INC ; ARDIAN INC ; KING RONALD O ; LEAR CORP ; MANSON NEAL R ; SUTTON DOUGLAS ; THAI ERIK ; ZADNO NICOLAS ; WU ANDREW ; MICHLITSCH KENNETH J ; MEDTRONIC ARDIAN LUXEMBOURG S A R L ; MEDTRONIC ARDIAN LUXEMBOURG SARL ; MEDTRONIC ARDIAN LUXEMBOURG ; MEDTRONIC AF LUXEMBOURG SARL ; ZARINS DENISE ; MEDTRONIC ARDIAN LUXEMBOURG S A R I ; MICHLISCH KENNETH J ; MEDTRONIC VASCULAR INC ; MEDTRONIC ARDIAN LUXEMBOURG S A RL ; MEDTRONIC AF LUXEMBOURG S A R L ; MEDTRONIC ARDIAN LUXEMBOURG A A R L ; MEDTRONIC ARDIAN LUXEMBOURG S R L

Assignee(s): MEDTRONIC ARDIAN LUXEMBOURG S.À.R.L. ; MEDTRONIC ARDIAN LUXEMBOURG RL SA ; MEDTRONIC ARDIAN LUXEMBOURG AARL ; MEDTRONIC ADRIAN LUXEMBOURG SARL ; MEDTRONIC ARDIAN LUXEMBOURG SARI ; MEDTRONIC ARDIAN LLC ; LEAR CORPORATION ; ARDIANINC ; MEDTROIC ARDIAN LUXEMBOURG SARL ; JPMORGAN CAHSE BANK NA AGENT AS ; JPMORGAN CHASE BANK NA ; JPMORGAN CHASE BANK NA AGENT AS ; FOUNDRY NEWCO 8 INC ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AND COLLATERAL AGENT AS

Inventor(s): (std): GIFFORD HANSON III ; GELFAND MARK LEVIN HOWARD R ; DOUGLAS SUTTON ; DENISE DEMARALS ; GELFAND MARK ; GIFFORD HANSON ; ERIK THAI ; HANSON GIFFORD ; DEMARALS DENISE ; DEMARALS DENISE ; GIFFORD III HANSON ; ANDREW WU ; BARMAN NEIL ; BENJAMIN J CLARK ; BARMAN NEIL C ; CHANG STEVE ; CHANG STEVEN ; CLARK BENJAMIN J ; DEEM MARK ; CLARK BENJAMIN ; DEEM MARK E ; SUTTON DOUGLAS ; THAI ERIK ; WU ANDREW ; MICHLITSCH KENNETH J ; HANSON GIFFORD III ; MARK DEEM ; MARK GELFAND ; LEVIN HOWARD ; SOBOTKA PAUL A ; HOWARD LEVIN ; MICHLISCH KENNETH J ; MICHLITSCH KENNETH ; SOBOTKA PAUL ; LEVIN HOWARD R ; ZADNO NICOLAS ; NICOLAS ZADNO ; MANSON NEAL R ; KING RONALD O ; MANSON NEAL RICHARD ; ZADNO US ; ZARINS DENISE ; ZARINS DENIS

Inventor(s): ZARINS DENISE SANTA ROSA ; ZARINS DENISE SARATOGA ; ZADNO NICOLAS FREMONT ; NEAL RICHARD MANSON ; STEVE CHANG ; RONALD O KING ; MARK GELEFAND ; THAI ERIK SANTA ROSA ; WU ANDREW FOSTER CITY ; LEVIN HOWARD R TEANECK ; SUTTON DOUGLAS PACIFICA ; THAI ERIK SAN JOSE ; MICHLITSCH KENNETH J LIVERMORE ; MANSON NEAL ; KING RONALD ; HOWARD R LEVIN ; CLARK BENJAMIN J REDWOOD CITY ; DEEM MARK MOUNTAIN VIEW ; CLARK BENJAMIN J MONTAIN VIEW ; CLARK BENJAMIN J MOUNTAIN VIEW ; GIFFORD HANSON WOODSIDE ; DEMARALS DENISE LOS GATOS ; GELFAND MARK NEW YORK ; GELFAND MARK PALO ALTO ; GIFFORD HANSON III WOODSIDE

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; ZIMMERMANN AND PARTNER PATENTANWAELTE MBB; ZIMMERMANN AND PARTNER; GOWSHALL JONATHAN VALLANCE; ZIMMERMANN AND PARTNER PATENTANWAELTE MBB; DONALD JENNY SUSAN ET AL; DONALD JENNY SUSAN; WALKER ROSS THOMSON; ZIMMERMANN &, PARTNER; ARIAS JUAN; KUMAKURA YOSHIO; INO SARI; DESHIMARU TAKESHI; SHISHIDO KAICHI; OHTSUKA FUMIAKI; PERKINS COIE LLP; PERKINS COIE LLP, PATENT-SEA; PERKINS COIE LLP PATENT SEA; MACMILLAN SOBANSKI AND TODD LLC; PERKINS COIE LLP,PATENT-SEA; PERKINS COIE; PERKINS COIE LLP ATTN PAUL T PARKER; PERKINS COIE LLP,ATTN: PAUL PARKER; PERKINS COIE LLP ATTN PAUL PARKER; POLEDNA AARON J ET AL; POLEDNA AARON J

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 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 YU ZA ZM ZW

Title: **SENSOR** USABLE IN ULTRA PURE AND HIGHLY CORROSIVE ENVIRONMENTS

Abstract: Source: US2004040382A The electrical pin lead structure and brazing technique of the present invention provide a brazed lead in a **sensor** that adheres well to a semiconductor substrate while facilitating lateral **flexibility** without joint fatigue or breakage. In one example embodiment, the pin lead includes a coil head that is brazed to a silicon **layer** on a sapphire substrate using a silver-copper-palladium braze material. An advantage to this approach is the ability to both braze the pin lead to the diaphragm and seal the diaphragm to the ceramic backing plate with a high temperature glass in a single process step. Further, the palladium in the braze composition is a factor in reducing surface tension between the metal lead and semiconductor substrate during cooling to avoid stress fractures in the substrate.

Classifications:

International (IPC 8-9): G01K7/22 G01L19/04 G01L19/06 G01L19/14 G01L7/08 G01L9/00 G01L9/02 H01L29/84 (Advanced/Invention); G01L19/04 G01L9/02 (Advanced/Non-invention); G01K7/16 G01L19/00 G01L19/04 G01L19/06 G01L9/00 H01L29/66 (Core/Invention)

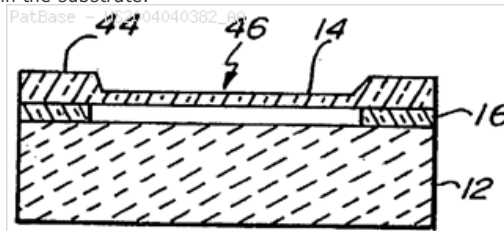
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G01L19/069 G01L9/0052 G01L9/0072 G01L19/04

European: G01L19/04 G01L19/06 G01L7/10C G01L9/00D1

US: 73/708 73/708P 73/715 73/719 73/720



Family:

Publication number	Publication date	Application number	Application date
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WO2008713 A1	20020131	WO2001US22919	20010719
WO04105091 A2	20041202	WO2004US15098	20040514
WO04105091 A3	20050512	WO2004US15098	20040514

Priority:

US20000620007 20000720 US20030440433 20030516 WO2001US22919 20010719
WO2004US15098 20040514

Probable Assignee: ENTEGRIS INC

Assignee(s): (std): ENTEGRIS INC ; CUCCI GERALD R ; DIAZ DIAZ JORGE ANDRES ; NT INT INC ; PETERSON TOM

Assignee(s): WELLS FARGO BANK NATIONAL ASSOCIATION AS AGENT ; DIAZ JORGE ANDRES DIAZ ; NT INT ; ENTEGRIS INC DELAWARE CORP ; ENTEGRIS INC MINNESOTA CORP ; ENTEGRIS INC (DELAWARE CORPORATION) ; ENTEGRIS INC DELAWARE CORPORATION ; ENTEGRIS INC (MINNESOTA CORPORATION) ; ENTEGRIS INC MINNESOTA CORPORATION ; GOLDMAN SACHS BANK USA COLLATERAL AGENT AS ; PETERSON THOMAS ; WELLS FARGO BANK NATIONAL ASSOCIATION AGENT AS

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Inventor(s): T PETERSON ; PETERSON TOM DIAZ DIAZ JORGE ANDRES CUCCI GERALD R ; GR CUCCI ; JORGE ANDRES DIAZ DIAZ ; JA DIAZ DIAZ ; J A DIAZ DIAZ ; GERALD R CUCCI ; G R CUCCI

Agent(s): OKADA HIDEHIKO; ONDA HIRONORI; ONDA MAKOTO; PATTERSON THUENTE SKAAR AND CHRISTENSEN PA

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

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

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

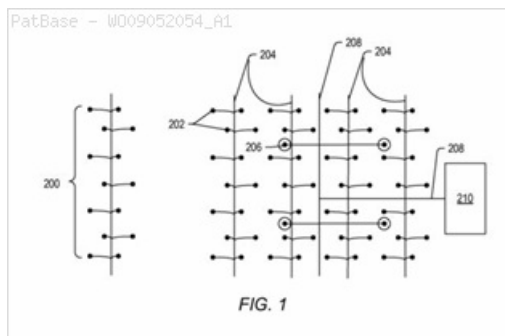
Classifications:

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

E21C25/00 (Core/Invention)

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

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



Family:

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

Priority:

US20070999839P 20071019 US20080046329P 20080418

Probable Assignee: SHELL OIL CO

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

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Agent(s): CHRISTENSEN DEL S ET AL

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

Title: SURGICAL DEVICE WITH **PRESSURE** MONITORING ABILITY

Abstract: Source: US2004143261A A device with a functional tip containing at least one active electrode capable of creating a controlled perforation in body tissue through the application of Radio Frequency (RF) energy is described. The position of the tip of the device can be determined in response to **pressure** sensed at the tip and determined by a monitor. The device is useful to remove or perforate unwanted tissue in a controlled manner in any location in the body, particularly in the atrial septum for controlled transeptal puncture. In this application, the device is introduced into the right atrium, and the functional tip is then positioned against the atrial septum. Energy is applied to create the perforation and **pressure** is monitored to determine if the perforation was created in a desired location. Other possible applications include the removal of plaque or thrombotic occlusions from diseased vessels.

Classifications:

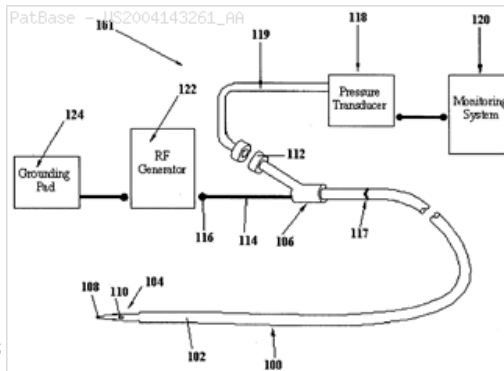
International (IPC 8-9): A61B18/12 A61B18/14 A61B18/16 A61B18/18 A61B19/00 A61B90/00 A61M29/00 A61M29/02 A61M5/00 A61N1/05 A63B63/00 (Advanced/Invention); A61B17/00 A61B18/00 A61B18/12 A61B18/24 A61B19/00 A61B5/02 (Advanced/Non-invention); A61B18/14 A61B18/18 A61M29/00 A61N1/05 (Core/Invention); A61B19/00 A61B5/02 (Core/Non-invention)

International (IPC 1-7): A61B18/14 A61B18/18 A61B18/24 A61B2017/0041 A61M25/0054 A61M29/00 A61M2025/0046 A61B18/18 A63B63/00 A61B2017/00132 A61B2017/00154 A61B2017/22094 A61B2018/00321 A61B2018/0041 A61B2018/1405 A61B2018/1417 A63B63/003 A63B67/06 A63B2210/50 A63F1/04 A63F9/0204 A63F2007/0064 A63F2009/0282 A61B34/73 A61B2018/00601 A61B2018/00702 A61B2218/002 A61B2018/00577 A61B8/12 A61B2017/00119 A61B2018/00642 A61B2018/00666 A61B2018/00678 A61B2018/0072 A61B2018/00827 A61B2018/00845 A61B2018/00869 A61B2018/00875 A61B2018/00892

A61B2018/00898 A61N1/05 A61B5/062 A61B2017/00252 A61M25/0127 A61B18/1233 A61B18/14 A61B18/16 A61B90/37 A61B2018/00886 A61B2034/2059 A61B2090/061 A61B90/39 A61B2017/00867 A61B2018/00083 A61B2018/00101 A61B2018/00136 A61B2018/1213 C08L2201/12 A61B18/1206 A61B18/24 A61B2090/064 A61B2090/3966 A61M29/02 A61M5/007 A61B18/1492 A61B2018/00351 A61B2018/00839 C08L2203/206

European: A61B18/14V A61B18/24 A61B5/06C1 A61M29/00 A61N1/05 K61B17/00E1C2B K61B17/00S12 K61B18/00B2G4 K61B18/00B2H4 K61B18/00B4J K61B18/00F6A K61B18/00G4 K61B18/00H10A K61B18/00H12E K61B18/12G K61B18/12G1 K61B18/24 K61B19/22H K61B19/46H K61B19/54 K61B19/54P K61B218/00D2 K61M25/00R2 K61M25/00S1C K61M25/00S3 K61M25/01C8 M08L201/12

US: 128/898 273/400 600/485 600/561 600/561S 606/191 606/191P 606/33 606/33P 606/34 606/34P 606/38 606/39 606/41 606/41P 606/41S 606/45 606/45P 606/45S 606/46 606/47 607/101 607/116 607/116P 607/122



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: BAYLIS MEDICAL CO INC

Assignee(s): (std): ABOU MARIE RUND ; ALBERT KELLY ; AMANDA HARTLEY ; BAYLIS FRANK ; BAYLIS MEDICAL CO ; BAYLIS MEDICAL CO INC ; HARTLEY AMANDA APRIL ; LEUNG RAMSEY ; DAVIES GARETH ; BAYLIS MEDICAL COMPANY ; ESKURI ALAN D ; HARTLEY AMANDA ; BAYLLS FRANK ; HUMPHREYS JR RICHARD R ; JUZKIW TARAS ; SHAH KRISHAN ; VISRAM NAHEED ; WONG CHRISTINE ; MOSLEY MARK ; MUNGER GARETH TORREY ; PANDEY ASHWINI ; VISWANATHAN RAJU ; STEREOTAXIS INC ; MINAR CHRISTOPHER D ; VONGPHAKDY KHAMLA ; LUK MARIA

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Inventor(s): MUNGER GARETH ; BAYLIS FRANK BEACONSFIELD

Agent(s): PATENTANWAELTE LIPPERT STACHOW AND PARTNER; CABINET PLASSERAUD; TURNER CRAIG ROBERT; OGILVY RENAULT; OGILVY RENAULT LLP; LOUIS TESSIER; RALPH A DOWELL OF DOWELL AND DOWELL PC; DOWELL AND DOWELL PC; WILLIAM L; WILLIAM H; VORYS SATER SEYMOUR AND PEASE LLP

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 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 MG MK ML MN MR 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 YU ZA ZM ZW

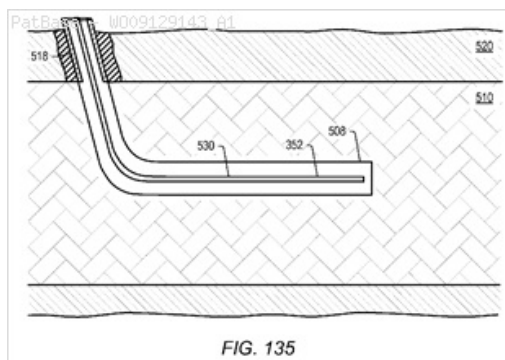
Title: SYSTEMS, METHODS, AND PROCESSES UTILIZED FOR TREATING HYDROCARBON CONTAINING SUBSURFACE FORMATIONS

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
WO09129143 A1	20091022	WO2009US40217	20090410
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 ; DE ST REMEY ED ; CAO RENFANG RICHARD ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; CRUZ ANTONIO MARIA GUIMARAES LEITE ; COLOMENARES TULIO ; DE ROUFFINGNAC ERIC PIERRE ; BURNS DAVID BOOTH ; JAISWAL NAMIT ; GINESTRA JEAN CHARLES ; KIM DONG SUB ; FOWLER THOMAS DAVID ; EDBURG DAVID ALSTON ; KARANIKAS JOHN MICHAEL ; HARLEY GUY ; LI ZHEN ; KOENDERS BURGARD ; HARRIS CHRISTOPHER KELVIN ; HWANG HORNG JYE JAY ; DINDORUK DENIZ ; HARVEY ALBERT DESTREHAN III ; FONSECA OCAMPOS ERNESTO RAPHAEL ; KILGORE JAMES ; HWANG HORNG JYE ; SHELL OIL CO ; ZHENG JANE Q ; MASON STANLEY LEROY ; RYAN ROBERT CHARLES ; MCNEIL BOB ; SANDBERG CHESTER LEDLIE ; MARWEDE JOCHEN ; ROES AUGUSTINUS WILHELMUS MARIA ; NGUYEN SCOTT VINH ; VINEGAR HAROLD J ; XIE XUEYING ; MACDONALD DUNCAN CHARLES ; MCKINZIE BILLY JOHN II ; 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 ; LO KING HIM ; PINO HENRY ; PATNI SANDEEP ; RENKEMA DUURT ; SHELL INT RESEARCH ; MCDONALD DUNCAN CHARLES

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

Inventor(s): (std): ARORA DHRUV ; AYODELE OLUROPO RUFUS ; BASS RONALD J ; BROS ROBERT ; BROUWER ROALD ; BURNS DAVID BOOTH ; CAO RENFANG RICHARD ; COLOMENARES TULIO ; CRUZ ANTONIO MARIA GUIMARAES LEITE ; DE ROUFFINGNAC ERIC PIERRE ; DE ST REMEY ED ; DEN BOESTERT JOHANNES LEENDERT WILLEM CORNELIS ; DINDORUK DENIZ ; EDBURG DAVID ALSTON ; FONSECA OCAMPOS ERNESTO RAPHAEL ; FOWLER THOMAS DAVID ; GINESTRA JEAN CHARLES ; HARLEY GUY ; HARRIS CHRISTOPHER KELVIN ; HARVEY ALBERT DESTREHAN III ; HWANG HORNG JYE ; HWANG HORNG JYE JAY ; JAISWAL NAMIT ; KARANIKAS JOHN MICHAEL ; KILGORE JAMES ; KIM DONG SUB ; KOENDERS BURGARD ; LI ZHEN ; LO KING HIM ; MACDONALD DUNCAN CHARLES ; MARWEDE JOCHEN ; MASON STANLEY LEROY ; MCDONALD DUNCAN CHARLES ; MCKINZIE BILLY JOHN II ; MCNEIL BOB ; MO WEIJAN ; MUYLLE MICHEL SERGE MARIE ; NAIR VIJAY ; NGUYEN SCOTT VINH ; PATNI SANDEEP ; PINO HENRY ; POLLARD RICHARD ; PRINCE WRIGHT ROBERT GEORGE ; RAGHU DAMODARAN ; RENKEMA DUURT ; ROES AUGUSTINUS WILHELMUS MARIA ; RYAN ROBERT CHARLES ; SANDBERG CHESTER LEDLIE ; SON JAIME SANTOS ; STANECKI JOHN ANDREW ; SYIHAB ZUHER ; VENDITTO JAMES JOSEPH ; VINEGAR HAROLD J ; XIE XUEYING ; ZHENG JANE Q

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

Title: BASE, PAYLOAD AND CONNECTING STRUCTURE AND METHODS OF MAKING THE SAME

Abstract: Source: US2005123266A Micromachined passive alignment assemblies and methods of using and making the same are provided. The alignment assemblies are used to align at least one optical element. The alignment assemblies may be configured with kinematic, pseudo-kinematic, redundant or degenerate support structures. One alignment assembly comprises a base and a payload, which supports at least one optical element. The payload may be coupled to the base via connecting structures. The base, the payload and/or the connecting structures may have internal flexure assemblies for preloading a connection, thermal compensation and/or strain isolation.

Classifications:

International (IPC 8-9): B81B5/00 G03B19/02 B29B7/84 B29B7/90 B29C47/76 C08K3/00 C08L23/00 G01B13/00 G01B3/00 G02B13/00 G02B15/02 G02B15/14 G02B21/00 G02B23/00 G02B27/64 G02B5/04 G02B6/00 G02B6/26 G02B6/36 G02B7/00 G02B7/02 G02B7/04 G02B7/08 G02B7/09 G02B7/18 G02B7/182 G02B9/00 G02B9/34 G03B13/00 G03B13/18 G03B13/20 G03B13/34 G03B13/36 G03B15/03 G03B17/00 G03B17/02 G03B21/14 G03B3/00 G03B3/10 G03B7/00 G03B7/083 G03B9/08 G03B9/10 G03B9/46 H01L21/00 H01L31/058 H01R43/00 H02K26/00 H04M1/00 H04N5/225 H04N5/228 H04N5/232 H04N7/18 (Advanced/Invention); G03B7/083 G03B9/08 H04N5/225 (Advanced/Non-invention); G01B13/00 G01B3/00 G02B15/00 G02B15/14 G02B21/00 G02B23/00 G02B5/04 G02B6/00 G02B6/26 G02B6/36 G02B7/00 G02B7/02 G02B7/04 G02B7/18 G02B7/182 G03B13/18 G03B13/34 G03B15/03 G03B17/00 G03B21/14 G03B7/00 G03B7/08 G03B9/08 G03B9/10 H02K26/00 H04M1/00 H04N5/225 H04N5/228 (Core/Invention)

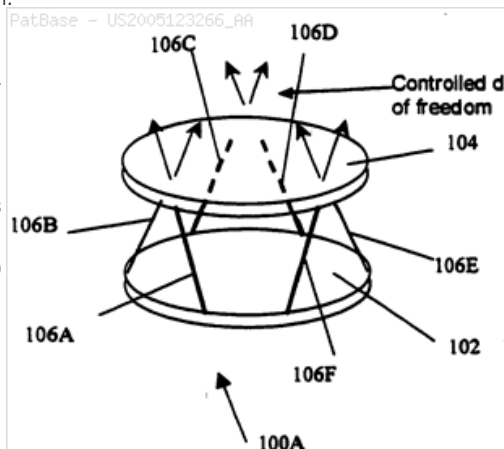
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European: B81C99/00R2 G02B13/00M G02B13/00M9 G02B15/02 G02B15/10 G02B15/14 G02B7/00C G02B7/00T G02B7/02C G02B7/08 G02B7/10A G03B13/36 G03B17/02 G03B17/04 G03B17/12 G03B29/00 G03B3/00 G03B3/02 G03B3/10 G03B5/00 G03B7/083 H02K41/035B1B H04N5/225C3 H04N5/225C4 H04N5/225M H04N5/232F H04N5/232S H04N5/232S2C2 L81C201/01B10E2 S02B27/64V S02B7/10A T04M250/52 T04N5/232S2C2

US: 1/1 257/415 257/E21.32 257/E21.613 29/602.1 29/825 29/825S 310/12.02 310/12.03 348/143 348/143P 348/208.7 348/208.700P 348/345 348/345P 348/345S 348/349 348/357 348/E5.025 348/E5.027 348/E5.028 348/E5.045 348/E5.046 348/E50.27S 348/E50.28S 348/E50.45S 348/E50.46S 348/E7.085 348/E70.85S 353/100 353/101 359/423 359/425 359/511 359/557 359/557S 359/611 359/672 359/686 359/687 359/704 359/754 359/778 359/779 359/808 359/811 359/813 359/819 359/821 359/822 359/823 359/824 359/824S 359/826 359/829 359/830 359/871 359/872 369/44.14 369/44.15 385/136 385/137 385/147 385/52 385/53 396/133 396/133P 396/141 396/144 396/197 396/220 396/248 396/248P 396/323 396/429 396/439 396/439P 396/452 396/454 396/454S 396/483 396/484 396/493 396/72 396/73 396/75 396/79 396/85 396/89 438/53 438/706 455/567



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: DIGITALOPTICS MEMS CORP

Assignee(s): (std): GUTIERREZ ROMAN ; GUTIERREZ ROMAN C ; JAYARAJ KUMARASWAMY ; NGO TIM Q ; HARRINGTON DARRELL ; KUMARASWAMY JAYARAJ ; TANG TONY K ; SIIMPEL ; XU JING ; WANG GUIQIN ; SIIMPEL INC ; SIIMPEL CORP ; CALVET ROBERT J ; DIGITALOPTICS CORP MEMS ; TESSERA MEMS TECHNOLOGIES INC ; SIWAVE INC

Assignee(s): SCALE VENTURE PARTNERS II LP COLLATERAL AGENT AS ; DIGITALOPTICS MEMS CORP ; VENTURE LENDING AND LEASING IV INC ; SCALE VENTURE PARTNERS II LP ; SILMPEL CORP ; SAMSUNG ELECTRONICS CO ; SAMSUNG ELECTRONICS CO LTD ; ROYAL BANK OF CANADA COLLATERAL AGENT AS

Inventor(s): (std): GUTIERREZ ROMAN ; KUMARASWAMY JAYARAJ ; LEE SHI SHENG ; NGO TIM QUANG TINH ; TONG DAVY ; WANG GUI QIN ; XU JING ; VARGO STEPHEN ; TANG TONY K ; RODRIGUEZ ROBERTO J ; LEANG PAT K ; FOSSUM ERIC R ; WANG GUIQIN ; NGO TIM Q ; JAYARAJ KUMARASWAMY ; TANG TONY KAI ; HARRINGTON DARRELL ; GUTIERREZ ROMAN C ; CALVET ROBERT J

Inventor(s): TANG TONY ; NGO TIM ; CALVET ROBERT

Agent(s): FREEMAN JACQUELINE CAROL; MACPHERSON KWOK CHEN AND HEID LLP; TOM; NORMAN E; FOLSOM BRENT A; BRENT A; PELLEGRINI MARK A; MARK A; CARTE NORMAN; NORMAN; HAYNES AND BOONE LLP; HENNEMAN AND ASSOCIATES PLC; LARRY E; GREGORY P; CARTE NORMAN E

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 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 YU ZA ZM ZW

Title: DISTRIBUTED THERMOELECTRIC STRING AND **INSULATING** PANEL

Abstract: Source: US2012060885A Inexpensive, lightweight, **flexible** heating and cooling panels with highly distributed thermoelectric elements are provided. A thermoelectric "string" is described that may be woven or assembled into a variety of **insulating** panels such as seat cushions, **mattresses**, pillows, blankets, ceiling partitions, office partitions, under-desk panels, electronic enclosures, building walls, refrigerator walls, and heat conversion panels. The string contains spaced thermoelectric elements which are thermally and electrically connected to lengths of braided, meshed, stranded, foamed, or otherwise expandable and compressible conductor. The elements and a portion of compacted conductor are mounted within the **insulating** panel. On the outsides of the panel, the conductor is expanded to provide a very large surface area of contact with air or other medium for heat absorption on the cold side and for heat dissipation on the hot side.

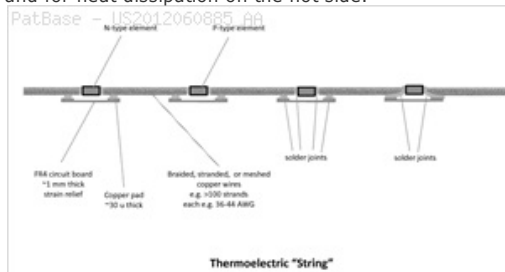
Classifications:

International (IPC 8-9): A41D13/002 A41D13/005 A42B3/04 A47C21/04 A47C27/00 A47C7/74 A47G9/06 A61G1/04 A61G5/10 B60N2/56 F16L59/00 F25B21/00 F25B21/02 F25B21/04 H01C1/16 H01C17/00 H01C7/00 H01L35/00 H01L35/04 H01L35/28 H01L35/30 H01L35/32 H01L35/34 H01L37/00 H02N11/00 H02N6/00 H05B3/00 H05B3/34 (Advanced/Invention); F25B21/04 (Advanced/Non-invention); H01L35/00 (Core/Invention); H01L (Subclass/Invention)

CPC: H01C1/12 H01C13/02 Y10T29/49082 H01C1/16 H01L35/325 H01L35/34 H01C7/008 F25B21/00 F25B21/02 A47C7/74 H01L35/32 H05B3/347 H05B2203/007 H05B2203/015 H05B2203/029 H05B2203/036 H05B2203/037 A41D13/0025 A41D13/0051 A41D13/0053 A61G1/04 A61G5/1043 F25B2321/0251 F25B21/04 A47C21/04 A61F2007/0075

European: H01C1/12 H01C1/14 H01C1/16 H01C13/02 H01C7/00F H01L35/32

US: 136/200 136/200S 136/201 136/201S 136/204 136/206 136/212 136/212S 136/225 136/225S 219/201 219/201S 264/272.21 264/272.210S 29/610.1 29/610.100S 5/421 5/421S 5/423 5/423P 62/3.3 62/3.300S 62/3.5 62/3.6 62/3.61 62/3.7



Family:

Publication number	Publication date	Application number	Application date
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AU2013224678 AA	20130926	AU20130224678	20130904
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Probable Assignee: TEMPRONICS INC

Assignee(s): (std): BERMAN MICHAEL ; BERMAN MICHAEL J ; EVERS MARK N ; EVERS MARK NELSEN ; FRANKLIN JOHN L ; WOOD STEVE ; MAKANSI TAREK ; FRANKLIN JOHN ; WOOD STEVEN ; TEMPRONICS INC ; FRANKLIN JOHN LATIMER

Inventor(s): (std): EVERS MARK N ; FRANKLIN JOHN L ; MAKANSI TAREK ; WOOD STEVE ; WOOD STEVEN ; BERMAN MICHAEL J ; TAREK MAKANSI ; STEVE WOOD ; MICHAEL BERMAN ; JOHN FRANKLIN ; FRANKLIN JOHN LATIMER ; EVERS MARK NELSEN ; STEVEN WOOD ; MICHAEL BERNAN ; MARK NELSEN EVERS ; JOHN LATIMER FRANKLIN ; FRANKLIN JOHN ; BERMAN MICHAEL

Inventor(s): MARK N EVERS

Agent(s): DARK IP; GOWLING LAFLEUR HENDERSON LLP; PRINZ AND PARTNER; HAYES SOLOWAY PC; WILSON
SONSINI GOODRICH AND ROSATI; SOLOWAY NORMAN P 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
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SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: MEDICAL APPARATUS INCLUDING HYDROGEN PEROXIDE PROTECTION

Abstract: Source: US2015289817A In certain embodiments, a heater assembly is provided including a water-resistant encapsulating shell. A heating element and/or other electronic components may be sealed in the encapsulating shell, and a catalyst to accelerate hydrogen peroxide decomposition may be coated on or impregnated into an element within the shell. In some embodiments the catalyst to accelerate hydrogen peroxide decomposition may be on the interior surface of the shell. In certain embodiments, the catalyst to accelerate hydrogen peroxide decomposition includes manganese dioxide. The catalyst to accelerate hydrogen peroxide decomposition may also include a binding material such as methyl cellulose.

Classifications:**International (IPC 8-9):** A47C21/04 A47C27/08 A47C27/10

A61B5/00 A61B5/01 A61F7/00 A61F7/08 A61G13/12 A61G7/005

A61G7/05 A61G7/057 H05B3/36 (Advanced/Invention);

A61F7/00 (Advanced/Non-invention)

CPC: A47C21/048 H05B3/36 A61B2562/18 A61B2562/24 A61F7/08

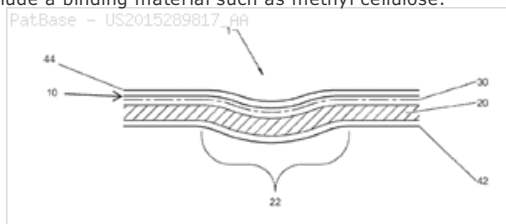
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A61G2203/34 A61G2210/90 A61B5/1116 A61B2562/0247

A61B2562/043 A61B5/6892 A61G13/1265 A61B18/16

US: 219/217 219/544 29/428 5/421 5/655.3 5/706 600/300 600/372 607/114**Family:**

Publication number	Publication date	Application number	Application date
US2015289817 AA	20151015	US20150683915	20150410
US2015290027 AA	20151015	US20150683892	20150410
US2015290062 AA	20151015	US20150683909	20150410
US2015290065 AA	20151015	US20150683825	20150410
WO15157674 A2	20151015	WO2015US25374	20150410
WO15157674 A3	20151223	WO2015US25374	20150410
WO15157684 A1	20151015	WO2015US25392	20150410

Priority:

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US20150683892 20150410 US20150683909 20150410

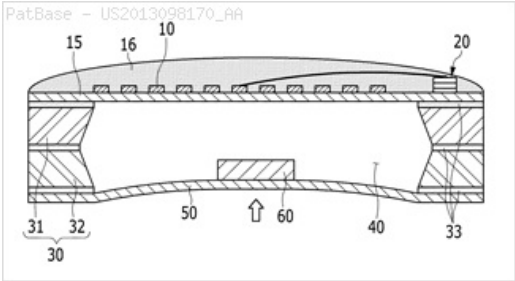
Probable Assignee: AUGUSTINE BIOMEDICAL AND DESIGN LLC**Assignee(s):** (std): AUGUSTINE BIOMEDICAL AND DESIGN LLC**Inventor(s):** (std): ARNOLD RANDALL C ; AUGUSTINE BRENT M ; AUGUSTINE GARRETT J ; AUGUSTINE RYAN S ;
AUGUSTINE SCOTT D ; DEIBEL RUDOLF ANDREAS ; ENTENMAN SCOTT A**Agent(s):** GOLOMB JORDAN R ET AL; GOLOMB JORDAN R**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
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MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG
SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: BIOCOMPATIBLE **PRESSURE SENSOR** AND MANUFACTURING METHOD THEREOF

Abstract: Source: US2013098170A Provided are a biocompatible **pressure sensor** which can be implanted into a body to wirelessly measure an internal **pressure** of the body outside the body, and a method of manufacturing the biocompatible **pressure sensor**. The biocompatible **pressure sensor** includes a coil inductor, a capacitor electrically connected with the coil inductor to constitute an LC resonant circuit together with the coil inductor, a **flexible** membrane disposed while being spaced apart from the coil inductor with an internal space interposed therebetween and surrounded by a housing, and a **pressure** displacement member fixed to one surface of the **flexible** membrane facing the coil inductor. The **flexible** membrane is transformed by external **pressure** to change a distance between the coil inductor and the **pressure** displacement member.

Classifications:

International (IPC 8-9): A61B5/03 B32B38/10 G01L1/04 G01L7/00 G01L7/08 G01L9/00 (Advanced/Invention)
CPC: B32B38/10 G01L9/007
US: 1/1 156/292 73/862.626



Family:

Publication number	Publication date	Application number	Application date
KR101308104 B1	20130912	KR20110108802	20111024
KR20130044642 A	20130503	KR20110108802	20111024
US2013098170 AA	20130425	US20120644017	20121003
US9341530 BB	20160517	US20120644017	20121003

Priority:

KR20110108802 20111024

Probable Assignee: KOREA INST SCI AND TECH

Assignee(s): (std): KOREA INST SCI AND TECH

Assignee(s): KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY ; KOREA INST OF SCIENCE AND TECHNOLOGY

Inventor(s): (std): PARK CHANG KUN ; LEE SOO HYUN ; KANG JI YOON ; KANG BYUNG JOO

Agent(s): GOLDILOCKS ZONE IP LAW

Title: CERAMIC COMPOSITE ELECTROLYTIC DEVICE AND METHODS FOR MANUFACTURE THEREOF

Abstract: Source: US6132573A An oxygen or ozone generating device having a plurality of ceramic composite cells, a resistance heat element, a cathode, an anode, a gas manifold interconnecting a gas output passageway from each of the cells, and a thermal shell in which the ceramic composite cells are stacked or arranged in electrical series and gas parallel surrounded by shock absorbing and **insulating** materials, respectively. Also provided are an exhaust fan, thermocouple **sensors**, a power source, a programmable computer controller with user interface, and a container supporting the computer user interface and having passageways for providing air into the device, and an oxygen output for supplying oxygen from the device. Methods for manufacturing the ceramic composite cells are also provided, including a method for manufacturing bismuth baria oxide and bismuth calcia baria oxide for use in the ceramic materials used within the ceramic composite cell.

Classifications:

International (IPC 8-9): B01D53/32 C04B35/465 C04B35/475

C25B1/02 H01M8/12 (Advanced/Invention);

H01M8/12 (Advanced/Non-invention);

B01D53/32 C04B35/462 C25B1/00 (Core/Invention);

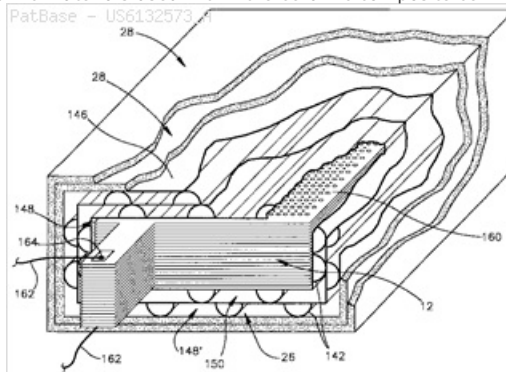
H01M8/12 (Core/Non-invention)

International (IPC 1-7): B01D53/32 C25B1/02 C25B9/00 C25C7/00

CPC: Y02P70/56 B01D53/326 C04B35/465 C04B35/475 H01M8/1266 Y02E60/525

European: B01D53/32E C04B35/465 C04B35/475

US: 204/262



Family:

Publication number	Publication date	Application number	Application date
AT298014 E	20050715	AT19980960770T	19981204
AU199916289 A1	19990628	AU19990016289	19981204
DE69830613 D1	20050721	DE19986030613	19981204
DE69830613 T2	20060511	DE19986030613T	19981204
EP1042536 A1	20001011	EP19980960770	19981204
EP1042536 A4	20021009	EP19980960770	19981204
EP1042536 B1	20050615	EP19980960770	19981204
US6132573 A	20001017	US19970985702	19971205
WO9929930 A1	19990617	WO1998US25855	19981204

Priority:

US19970985702 19971205

WO1998US25855 19981204

Probable Assignee: IGR ENTPR INC

Assignee(s): (std): IGR ENTPR INC ; IGR ETS INC ; IGR INC ETS

Assignee(s): IGR ENTERPRISES INC

Inventor(s): (std): CUBUKCU ESIN ; DAHAR STEVE ; DODEJA RAVI ; DODEJA RAVIS ; GORDON ARNOLD Z ; GORDON Z ; KALYNCHUK DANIEL ; KALYNCHUK DANIEL G ; KALYNCHUK G ; SOLTESZ JUSTIN ; SOLTESZ JUSTIN M ; SOLTESZ M ; PRINCE SHANNON ; PRINCE TROY SHANNON ; WAITE MICHAEL ; WAITE MIKE

Inventor(s): RAVIS DODEJA ; ARNOLD Z GORDON ; STEVE DAHAR ; TROY SHANNON PRINCE ; MICHAEL WAITE ; JUSTIN M SOLTESZ ; ESIN CUBUKCU ; DODEJA RAVI S ; DANIEL G KALYNCHUK

Designated states: AL AM AT AU AZ BA BE BG BR BY CA CH CN CY CZ DE DK EE ES FI FR GB GE GR HR HU ID IE IL IS IT JP KG KR KZ LI LK LT LU LV MC MD MK MX NL NO NZ PL PT RO RU SE SG SI SK TJ TM TR UA UZ YU

Title: EXTERNAL DEFIBRILLATOR

Abstract: Source: US2010241181A A variety of arrangements and methods relating to a defibrillator are described. In one aspect of the invention, a defibrillator includes two paddles that each include a defibrillator electrode covered in a protective housing. The two paddles are sealed together using a releasable seal to form a paddle module such that the housings of the paddles form the exterior of the paddle module. An electrical system including at least a battery and a capacitor is electrically coupled with the paddles. The battery is arranged to charge the capacitor. The capacitor is arranged to apply a voltage at the defibrillator electrodes, which generates an electrical shock for arresting a cardiac arrhythmia.

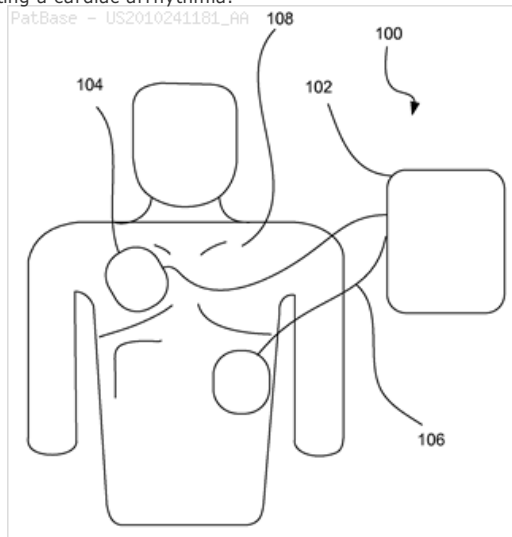
Classifications:

International (IPC 8-9): A61B5/053 A61N1/04 A61N1/05 A61N1/32 A61N1/36 A61N1/362 A61N1/38 A61N1/39 (Advanced/Invention); A61N1/362 A61N1/39 (Core/Invention)

CPC: A61N1/0476 A61N1/0502 A61N1/3918 A61N1/327 A61N1/046 A61B5/0531 A61N1/0472 A61N1/0492 A61N1/39 A61N1/3925 A61N1/3968 A61N1/3993 B33Y80/00

European: A61N1/04E1S A61N1/04E2P A61N1/39 A61N1/39N K61N1/04E2 K61N1/39C K61N1/39U

US: 1/1 607/116 607/142 607/5 607/5P 607/8

**Family:**

Publication number	Publication date	Application number	Application date
CN102427851 A	20120425	CN201080021650	20100315
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DE602010017028 D1	20140807	DE201060017028T	20100315
EP2408521 A2	20120125	EP20100753938	20100315
EP2408521 A4	20120808	EP20100753938	20100315
EP2408521 B1	20140625	EP20100753938	20100315
EP2788075 A1	20141015	EP20120854632	20121116
EP2788075 A4	20150729	EP20120854632	20121116
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JP2012520738 T2	20120910	JP20120500855T	20100315
JP2015500090 T2	20150105	JP20140545921T	20121116
JP5563652 B2	20140730	JP20120500855T	20100315
JP5894678 B2	20160330	JP20140545921T	20121116
US2010241181 AA	20100923	US20100724269	20100315
US2012310315 AA	20121206	US20110312910	20111206
US2014039593 AA	20140206	US20130046892	20131004
US2014039594 AA	20140206	US20130046907	20131004
US2014324113 AA	20141030	US20140331045	20140714
US8615295 BB	20131224	US20100724269	20100315
US8781576 BB	20140715	US20110312910	20111206
US9101778 BB	20150811	US20140331045	20140714
WO10107707 A2	20100923	WO2010US27346	20100315
WO10107707 A3	20110113	WO2010US27346	20100315
WO13085702 A1	20130613	WO2012US65712	20121116

Priority:

EP20100753938	20100315	US20090161014P	20090317	US20100724269	20100315
US20110312910	20111206	US20130046907	20131004	US20130046892	20131004
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Probable Assignee: CARDIOTHRIVE INC

Assignee(s): (std): GREGER JEFFREY S ; GERATY THOMAS K ; MACLAY WALTER N ; GREGER JEFFERY S ; CARDIOTHRIVE INC ; GRAY PETER ; CARDOTHRIVE INC ; CARDO THRIVE INC ; SAVAGE WALTER T ; TON TONY M ; MORRISON DOUGLAS C ; SAVAGE SHELLEY J ; BOEDER RONALD S ; BRINKERHOFF MARK D ; CARDIO THRIVE INC

Assignee(s): CARDIO THRIVE INC CONCORD

Inventor(s): (std): BOEDER RONALD S ; BRINKERHOFF MARK D ; GERATY THOMAS K ; GRAY PETER ; GREGER JEFFERY S ; GREGER JEFFREY S ; MACLAY WALTER N ; MORRISON DOUGLAS C ; SAVAGE SHELLEY J ; SAVAGE WALTER T ; TON TONY M

Inventor(s): BOEDER RONALD ; SAVAGE WALTER T CONCORD ; TON TONY ; SAVAGE WALTER ; SAVAGE SHELLEY ; MORRISON DOUGLAS ; MACLAY WALTER ; GREGER JEFFERY ; GERATY THOMAS ; BRINKERHOFF MARK

Agent(s): BETTEN AND RESCH PATENT U RECHTSANWALTE PARTGMBB; BETTEN AND RESCH; SIECKMANN DIRK CHRISTOPH; INO SARI; KURASAWA ICHIRO; MATSUSHITA MITSURU; DESHIMARU TAKESHI; KUMAKURA YOSHIO; BEYER LAW GROUP LLP; DLA PIPER LLP; YOON ERIC ET AL; LOHSE TIMOTHY W

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 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 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: Functional neuromuscular stimulation system

Abstract: Source: US2001000187A An input command controller (A) provides logic function selection signals and proportional signals. The signals are generated by movement of a ball member (12) and socket member (14) relative to two orthogonal axes. When the joystick is implanted, a transmitter (50) transmits the signals to a patient carried unit (B). The patient carried unit includes an amplitude modulation algorithm such as a look-up table (124), a pulse width modulation algorithm (132), and an interpulse interval modulation algorithm (128). The algorithms derive corresponding stimulus pulse train parameters from the proportional signal which parameters are transmitted to an implanted unit (D). The implanted unit has a power supply (302) that is powered by the carrier frequency of the transmitted signal and stimulation pulse train parameter decoders (314, 316, 318). An output unit (320) assembles pulse trains with the decoded parameters for application to implanted electrodes (E). A laboratory system (C) is periodically connected with the patient carried unit to measure for changes in patient performance and response and reprogram the algorithm accordingly. The laboratory system also performs initial examination, set up, and other functions.

Classifications:

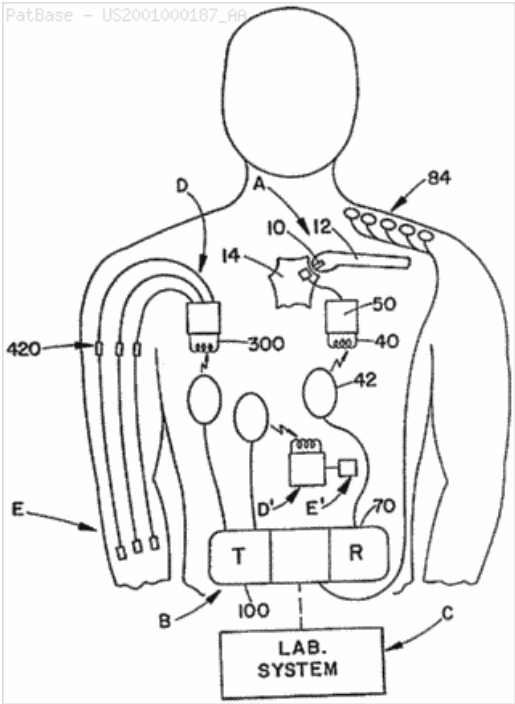
International (ipc 8-9): A61B18/18 A61N1/36 (Advanced/Invention); A61B18/18 (Core/Invention)

International (ipc 1-7): A61B18/18 A61F13/66 A61F2/02 A61N1/02 A61N1/08 A61N1/36 A61N1/372 A61N1/378

CPC: A61N1/36003 Y10S128/903 A61N1/3605 A61N1/0452 A61N1/0492

European: A61N1/36A

US: 128/421 128/846 128/888 128/903 600/561 607/116 607/148 607/48 607/49 607/59 607/60 607/61 607/62



Family:

Publication number	Publication date	Application number	Application date
US2001000187 AA	20010405	US20000726146	20001129
US5167229 A	19921201	US19860843159	19860324
US5769875 A	19980623	US19950485327	19950607
US5776171 A	19980707	US19950474821	19950607
US5954758 A	19990921	US19980009798	19980120
US6026328 A	20000215	US19980009797	19980120
US6163725 A	20001219	US19980009574	19980120
US6718210 BA	20040406	US20000694380	20001023

Priority:

US19860843159 19860324	US19920919726 19920724	US19930152940 19931115
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Probable Assignee: UNIV CASE WESTERN RESERVE

Assignee(s): (std): UNIV CASE WESTERN RESERVE

Assignee(s): SMITH BRIAN ; THROPE GEOFFREY BART ; PRIMUS CAPITAL FUND III PARTNERSHIP LTD ; BUCKETT JAMES ROBERT ; CASE WESTERN RESERVE UNIV ; CASE WESTERN RESERVE UNIVERSITY ; I NV ; INVACARE CORP ; LETECHIPIA JORGE ERNESTO ; MORGENTHALER VENTURE PARTNERS IV LP ; PECKHAM PAUL HUNTER ; PRIMUS CAPITAL FUND III LTD

Inventor(s): (std): BUCKETT JAMES R ; LETECHIPIA JORGE E ; PECKHAM PAUL H ; THROPE GEOFFREY B ; THROPE GEOFFREY BART ; SMITH BRIAN ; PECKHAM PAUL HUNTER ; LETECHIPIA JORGE ERNESTO ; BUCKETT JAMES ROBERT

Title: DISPOSABLE BIOMEDICAL ELECTRODE AND METHOD OF MANUFACTURE

Abstract: A biomedical electrode comprises a conducting gel member, a carrier material which covers the gel member, and an electrical connection element. The skin side of the carrier material (1) is planar and joined to a planar base (7). The gel is applied to the skin side of the base. Gel member broadening is limited by the outer contour of the fleece type base. The skin side of the electrode has a removable covering.

Classifications:

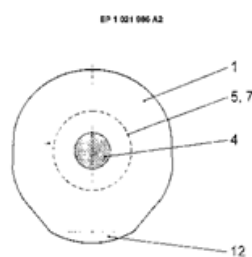
International (ipc 8-9): A61B5/0408 A61N1/04 (Advanced/Invention); A61B5/0408 A61N1/04 (Core/Invention)

International (ipc 1-7): A61B5/0408 A61N1/04

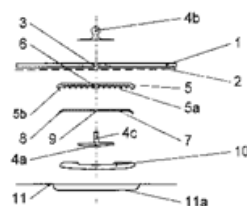
CPC: A61B2562/17 A61N1/0452 A61B5/0408 A61N1/0492

European: A61B5/0408 A61N1/04E1M A61N1/04E2P

PatBase - EP1021986_A2



Figur 1



Figur 2

Family:

Publication number	Publication date	Application number	Application date
AT295116 E	20050515	AT19990121446T	19991028
DE19918963 A1	20000504	DE19991018963	19990427
DE29819246 U1	19990527	DE19982019246U	19981029
DE59912042 D1	20050616	DE19995012042	19991028
DK1021986 T3	20050829	DK19990121446T	19991028
EP1021986 A2	20000726	EP19990121446	19991028
EP1021986 A3	20001122	EP19990121446	19991028
EP1021986 B1	20050511	EP19990121446	19991028
ES2242341 T3	20051101	ES19990121446T	19991028
PT1021986 T	20050930	PT19990121446T	19991028

Priority:

DE19982019246U 19981029 DE19991018963 19990427 DE19995012042 19991028

Probable Assignee: KENDALL MED ERZEUGNISSE GMBH

Assignee(s): (std): KENDALL MED ERZEUGNISSE GMBH ; TYCO HEALTHCARE DEUTSCHLAND MA ; TYCO HEALTHCARE DEUTSCHLAND MF

Assignee(s): TYCO HEALTHCARE DEUTSCHLAND MANUFACTURING GMBH ; KENDALL MEDIZINISCHE ERZEUGNISSE GMBH 93333 NEUSTADT DE ; TYCO HEALTHCARE DEUTSCHLAND MFG GMBH ; KENDALL MEDIZINISCHE ERZEUGNISSE GMBH ; KENDALL MEDIZINISCHE ERZEUGNISSE GMBH 93333 NEUSTA

Inventor(s): (std): MALKOWSKY ANDREA ; KAPPE HEIMO ; ANZ JOHANNES

Inventor(s): JOHANNES ANZ ; HEIMO KAPPE ; ANDREA MALKOWSKY

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Title: METHOD FOR CONTACTING ELECTRICAL COMPONENTS

Abstract: The invention relates to a method for electrically contacting electrical components (122) on a carrier (110), said method comprising the following steps: (a) at least one dispersion (116) comprising electroconductive particles is applied in at least one region of the carrier (110); (b) at least one electrical component (122) is applied to the dispersion (116), and (c) the dispersion (116) is fully or partially metallised in a currentless and/or galvanised manner. The invention also relates to an electrical module (134) comprising at least one carrier (110) and at least one electrical component (122). The electrical component (122) is contacted on the carrier (110) using an inventive method. The invention further relates to a device for carrying out the inventive method, to a dispersion (116) for using in the inventive method, and to a use of said dispersion (116).

Classifications:

International (IPC 8-9): H05K1/09 H05K3/06

H05K3/32 (Advanced/Invention);

H05K3/32 (Core/Invention);

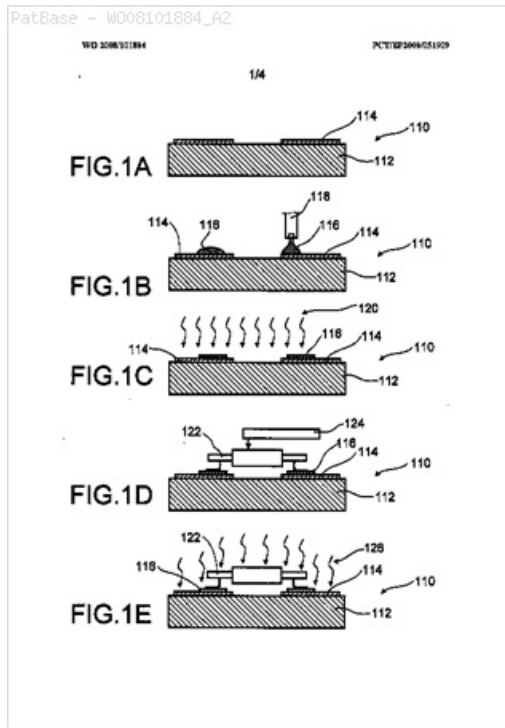
H05K1/09 H05K3/06 (Core/Non-invention)

CPC: H05K3/246 H05K3/32 H05K3/321 H05K2201/0347

H05K2203/0796

European: H05K3/32 H05K3/32B T05K201/03C 1D T05K203/07D2E

T05K3/24G2



Family:

Publication number	Publication date	Application number	Application date
TW200843588 A	20081101	TW20080105981	20080220
WO08101884 A2	20080828	WO2008EP51909	20080218
WO08101884 A3	20081113	WO2008EP51909	20080218

Priority:

EP20070102696 20070220

Probable Assignee: BASF SE

Assignee(s): (std): WAGNER NORBERT ; KACZUN JUERGEN ; LOCHTMAN RENE ; NOERENBERG RALF ; PFISTER JUERGEN ; ADDAMO RAFFAELE ANTONINO ; BASF SE

Assignee(s): BASF SEDE

Inventor(s): (std): ADDAMO RAFFAELE ANTONINO ; KACZUN JUERGEN ; LOCHTMAN RENE ; NOERENBERG RALF ; PFISTER JUERGEN ; RAFFAELE ADDAMO ANTONINO ; WAGNER NORBERT

Agent(s): ISENBRUCK GUENTER

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