

1) Family number: 30350056 (US2004044336A)

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Title: CONDUCTIVE INTERSTITIAL THERMAL THERAPY DEVICE

Abstract: An apparatus and method for thermally destroying tumors in which heat is generated by electrical resistance heating conducted to the target tissue. Computerized scanning is used to optimize the geometry of a thermal probe. The probe has a thermally conductive tip containing an electrical resistance heating element. The thermally conductive tip is mounted on the end of a fiber that contains the electrical power leads and other electrical leads connecting to monitoring devices associated with the tip. The tip is coated with a thin layer of biocompatible ceramic to avoid coagulated tissue sticking to the tip. The tip has one or more thin, thermally-conductive elements which deploy in stages to coagulate the tumor. The conductive elements may be thin wires or blades. On one embodiment, the conductive elements are composed of a shape memory material that is folded against the tip at lower temperatures and deploys at selected higher temperatures. In another embodiment, the conductive elements are blades that are deployed mechanically. The tip may be provided with a miniature thermocouple to provide temperature feedback information. The resistance heating element may be pyrolytic graphite.

Classifications:

International (IPC 8-9): A61B18/04 A61B18/08 A61B18/14 A61B18/18 A61B18/20 A61B18/24 B65B51/14 B65B9/02 (Advanced/Invention); A61B17/00 A61B18/00 (Advanced/Non-invention); A61B18/04 A61B18/18 B65B51/14 B65B9/00 (Core/Invention); A61B17/00 (Core/Non-invention); A61F (Subclass/Invention)

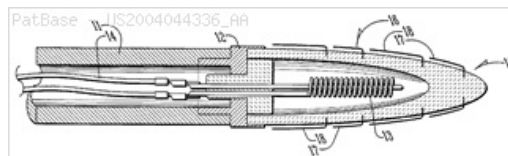
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CPC: B65B9/026 A61B2017/00084 A61B2017/00101 A61B2017/00867 A61B2018/00011 A61B18/20 A61B2018/00577

A61B2018/00714 A61B2018/00791 A61B2018/2005 A61B18/082 A61B18/24

European: A61B18/08B A61B18/24 B65B9/02C K61B17/00C1T K61B17/00S12 K61B18/00A2 K61B18/08B

US: 53/374.8 53/450 53/450P 53/477 53/545 53/545S 53/553 606/10 606/13 606/15 606/28 606/28P 606/29 606/31 606/41



Family:

Publication number	Publication date	Application number	Application date
AU2003293153 AA	20040319	AU20030293153	20030627
US2004044336 AA	20040304	US20020228482	20020827
US2004044337 AA	20040304	US20030336973	20030106
US2005119645 AA	20050602	US20050028157	20050103
US2006167445 AA	20060727	US20060373710	20060310
US2008229715 AA	20080925	US20080133524	20080605
US2010318077 AA	20101216	US20100806561	20100816
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US7361173 BB	20080422	US20050028157	20050103
US7383676 BA	20080610	US20060372710	20060310
US8858545 BB	20141014	US20100806561	20100816
WO04019809 A2	20040311	WO2003US20474	20030627
WO04019809 A3	20090716	WO2003US20474	20030627
WO07106263 A2	20070920	WO2007US03426	20070208
WO07106263 A3	20071227	WO2007US03426	20070208

Priority:

US20020228482 20020827	US20030336973 20030106	WO2003US20474 20030627
US20050028157 20050103	US20050660456P 20050310	US20050708033P 20050812
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US20100806561 20100816	US20140482382 20140910	

Probable Assignee: BIOVENTURES LLC

Assignee(s): (std): ATLANTA ATTACHMENT CO ; SHAFIRSTEIN GAL ; FERGUSON SCOTT L ; WANER MILTON ; TRUSTEES OF UNIV OF ; ARKANSAS CHILDREN S HOSPITAL RES INST INC ; UNIV ARKANSAS

Assignee(s): ARKANSAS CHILDREN S HOSPITAL RESEARCH INST INC ; TRUSTEES OF UNIV ; BOARD OF TRUSTEES OF UNIV OF ARKANSAS ; BOARD OF TRUSTEES OF UNIVERSITY ; ATLANTA ATTACHMENT COMPANY ; BIOVENTURES LLC ; BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS ; BOARD OF TRUSTEES OF UNIV ; BOARD OF TRUSTEES OF UNIV ARKANSAS

Inventor(s): (std): SHAFIRSTEIN GAL ; FERGUSON SCOTT L ; WANER MILTON ; OLEWICZ TADEUSZ ; PRICE ELVIN C ; DASHER PRESTON B ; SCHMIDT LEE

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Agent(s): WRIGHT LINDSEY AND JENNINGS LLP; WOMBLE CARLYLE SANDRIDGE AND RICE PLLC; RAY F; COX JR RAY F; RICHARD BLAKELY

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 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: THERMOCHROMIC COLOR-MEMORY COMPOSITION, AND THERMOCHROMIC COLOR-MEMORY MICROCAPSULE PIGMENT HAVING THE COMPOSITION ENCAPSULATED THEREIN

Abstract: The present invention relates to a thermochromic color-memory composition comprising a solubilized mixture of (I) an electron donating coloring organic compound, (II) an electron accepting compound and (III) an ester compound represented by the following formula (1) as a reaction medium which controls color reactions of the components (I) and (II); wherein R represents an alkyl group having 1 to 21 carbon atoms or an alkenyl group having 1 to 21 carbon atoms, and n represents an integer of from 1 to 3.

Classifications:

International (IPC 8-9): B41M5/30 C09B67/02 C09B67/08 C09B67/20

C09B67/42 C09K9/00 C09K9/02 G02F1/00 (Advanced/Invention);

B41M5/20 B41M5/24 (Advanced/Non-invention)

CPC: C09K9/02 B41M5/305 C09B67/0097 Y10T428/2984

European: C09B67/00T C09K9/02

US: 106/31.16 106/31.58 106/316 252/582 252/583 252/583P 252/586

428/402.2 428/913 503/200 503/201 503/204 503/209 503/213

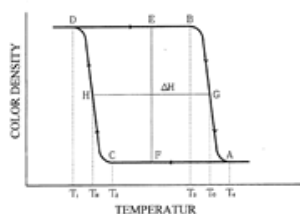
JP F-Term: 4H023 4H056

JP F-Index: C09B67/08/A C09B67/42/B C09K9/02/C

PatBase - US2012049139_AA

Patent Application Publication Mar. 1, 2012 Sheet 1 of 4 US 2012/0049139 A1

FIG. 1



Family:

Publication number	Publication date	Application number	Application date
EP2431444 A1	20120321	EP20100774941	20100512
EP2431444 A4	20150722	EP20100774941	20100512
JP2010131684 A1	20121101	JP20110513361T	20100512
JP5532447 B1	20140625	JP20110513361T	20100512
US2012049139 AA	20120301	US20100320223	20100512
US8277696 BB	20121002	US20100320223	20100512
WO10131684 A1	20101118	WO2010JP58059	20100512

Priority:

JP20090115474 20090512 JP20100086409 20100402 WO2010JP58059 20100512
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Probable Assignee: PILOT INK CO LTD

Assignee(s): (std): PILOT INK CO LTD ; ONO YOSHIKI

Assignee(s): PILOT INK CO ; THE PILOT INK CO ; THE PILOT INK CO LTD

Inventor(s): (std): ONO YOSHIKI

Agent(s): HOFFMANN EITLE; SUGHRUE MION PLLC; OGURI SHOHEI 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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: PORTABLE PNEUMATIC SEATING DEVICE

Abstract: A seating device has a portable pneumatic seating platform and at least one pneumatic pad module supporting the ability to pressurize and depressurize at least one pneumatic pad module with the ability to be operated by electrical power.

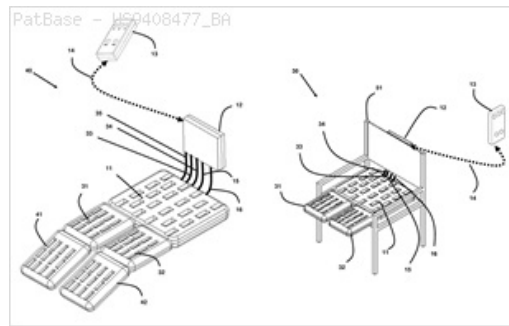
Classifications:

International (IPC 8-9): A47C27/08 A47C7/02

A61G5/10 (Advanced/Invention)

CPC: A47C27/082 A47C7/021 A61G5/1043 A61G5/1056 A61G7/05776

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US9408477 BA	20160809	US20150739948	20150615

Priority:

US20140012508P 20140616 US20150739948 20150615

Probable Assignee: MARLYS JAMES P

Assignee(s): (std): MARLYS JAMES P ; ROBINSON WILLIAM A

Inventor(s): (std): ROBINSON WILLIAM A ; MARLYS JAMES P

Agent(s): STEVEN M; OSTROLENK FABER LLP

4) Family number: 75674251 (WO19165253A1)

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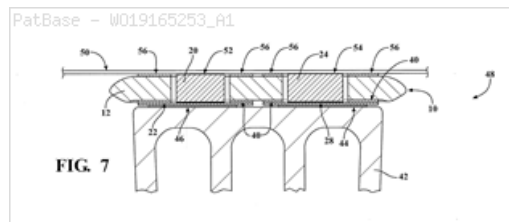
Title: THERMOELECTRIC MODULE WITH AN ARRAY OF ELEMENTS FOR A FLEXIBLE CIRCUIT ASSEMBLY

Abstract: A thermoelectric module has a base, a first thermoelectric couple, and a second thermoelectric couple. The first thermoelectric couple includes a first thermoelectric element, a second thermoelectric element and a first bus bar electrically connecting the first and second thermoelectric elements. The second thermoelectric couple includes a third thermoelectric element, a fourth thermoelectric element and a second bus bar electrically connecting the third and fourth thermoelectric elements. The first, second, third and fourth thermoelectric elements are set in the base and electrically isolated by the base. The base is used to protect the thermoelectric elements. Multiple thermoelectric modules may be mounted to and connected by conductors on a flexible circuit panel to create a flexible thermoelectric circuit assembly for cooling, heating and/or power generating applications.

Classifications:

International (IPC 8-9): B60N2/56 H01L35/32 (Advanced/Invention)

CPC: B60N2/5678 H01L35/32



Family:

Publication number	Publication date	Application number	Application date
WO19165253 A1	20190829	WO2019US19215	20190222

Priority:

US20180633812P 20180222

Probable Assignee: MAGNA SEATING INC

Assignee(s): (std): COOK MATTHEW T ; DAVIS JASON R ; MAGNA SEATING INC ; STEPANOV ARTHUR

Inventor(s): (std): COOK MATTHEW ; STEPANOV ARTHUR ; DAVIS JASON

Inventor(s): COOK MATTHEW T ; DAVIS JASON R

Agent(s): ASHER ROBIN 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 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

5) Family number: 17439252 (CN2172590Y)

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Title: Semiconductor cooling and heating element for beds

Abstract: The utility model relates to a semiconductor refrigerating and heating unit device for beds. The working surface of a ceramic flat plate TEC <1> 12703 type semiconductor refrigerating part of the prior art is tightly contacted with a metal quenching heat conducting aluminium plate, and the other surface of the ceramic flat plate TEC <1> 12703 type semiconductor refrigerating part is tightly contacted with a heat radiating fin to form a unit device. The utility model uses the Peltier effect principle of semiconductor temperature difference electric refrigerating to realize refrigeration, and can also change the positive and the negative poles of a direct current working voltage inversely into a heat conducting source. The semiconductor refrigerating and

heating unit device can be arranged in a bed mattress to form a cold-warm bed mattress and can also be arranged in a sofa and the seat of a car driver to realize cold and warm two purposes. The utility model which has simple structure and shock resistance without noise and pollution is a novel and practical cooling and warming device.

Classifications:

International (IPC 8-9): A47C27/14 (Advanced/Invention);

A47C27/14 (Core/Invention)

International (IPC 1-7): A47C27/14

Family:

Publication number	Publication date	Application number	Application date
CN2172590 Y	19940727	CN19932041837U	19930929

Priority:

CN19932041837U 19930929

Probable Assignee: SHANDONG TEXTILE ENGINEERING C

Assignee(s): (std): SHANDONG INST OF TEXTILE ; SHANDONG TEXTILE ENGINEERING C

Assignee(s): SHANDONG TEXTILE ENGINEERING COLLEGE

Inventor(s): (std): CHENBO ZHOU ; SHULI YANG ; SUN YANPU ; YANG SHULI ; YANPU SUN ; ZHOU CHENBO

6) Family number: 67319279 (WO19038566A1)

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Title: A METHOD FOR RECOVERING FLUORINATED ANESTHETIC COMPOUNDS FROM AIR USING A VORTEX TUBE

Abstract: An anaesthetic agent capture system suitable for a medical facility is provided. The system comprises filter material for capturing volatile anaesthetic agents from a gas flow. The system further comprises means for cooling the gas flow carrying the agents whereby to increase the binding capacity of the filter material.

Classifications:

International (IPC 8-9): A61M16/00 B01D53/24

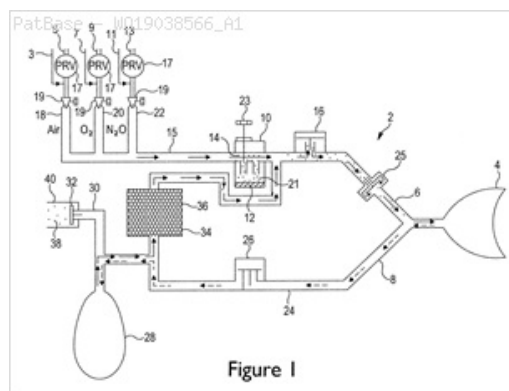
B01D53/70 (Advanced/Invention)

CPC: B01D53/24 B01D53/70 B01D53/047 A61M16/00 B01D53/0438

B01D2257/206 B01D2259/4533 A61M16/0093 A61M16/009 A61M16/01

A61M16/127 A61M16/208 A61M2202/0225 A61M2202/0266

A61M2205/3368 A61M2230/437



Family:

Publication number	Publication date	Application number	Application date
GB201713709 A0	20171011	GB20170013709	20170825
GB201802097 A0	20180328	GB20180002097	20180208
GB2568218 A1	20190515	GB20170013709	20170825
WO19038566 A1	20190228	WO2018GB52417	20180828

Priority:

GB20170013709 20170825 GB20180002097 20180208

Probable Assignee: SAGETECH MEDICAL EQUIPMENT LTD

Assignee(s): (std): SAGETECH MEDICAL EQUIPMENT LTD

Inventor(s): (std): BROWN SEBASTIAN ; SEBASTIAN MATTHEW BROWN

Agent(s): BRYERS LLP 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

7) Family number: 64384285 (US2018169994A)

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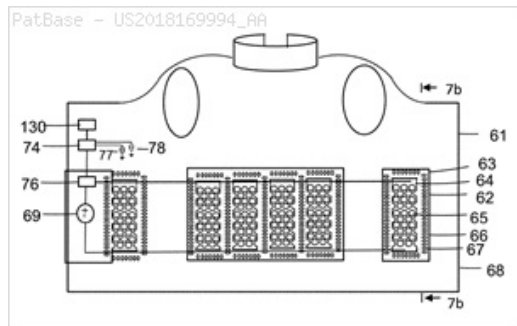
Title: GRAPHITE COMPOSITES AND THERMAL MANAGEMENT SYSTEMS

Abstract: A composite article is provided for use as a heat spreader, a cooling element or as part of the heating system for a wide variety of items. The composite article can include at least one sheet of compressed particles of exfoliated graphite or graphitized polymer. A protective coating may be aligned or adhered with a surface of the sheet. The article may also include at least one of a fiber reinforced polymer, a fiber weave or fiber mat or combinations thereof, aligned with at least one of the first surface of the sheet or a second surface of the sheet. The composite article can include a plurality of strips of compressed particles of exfoliated graphite, of graphitized polymer or combinations thereof, which are woven together and/or it can include cut outs, slits or other perforations to provide flexibility, stretchability, and breathability.

Classifications:

International (IPC 8-9): A41D1/00 A41D13/005 A41D27/02 A41D31/02

B32B3/26 B32B5/02 B32B5/06 B32B5/24 B32B7/12 B32B9/00 B32B9/04
C08K3/04 F16L59/02 (Advanced/Invention)
CPC: B32B2260/021 B32B2535/00 B32B2571/00 B32B2601/00
A41D13/0051 A41D31/02 B32B2305/345 A41D1/002 A41D27/02
B32B3/266 B32B5/024 B32B5/06 B32B7/12 B32B9/007 B32B9/047
B32B2255/02 B32B2255/26 B32B2260/023 B32B2260/046 B32B2307/30
B32B2437/00 B32B2605/003 B32B2605/08 F16L59/029 B32B9/045
US: 1/1 219/211
JP F-Term: 4F100 4F100/AD11 4F100/AK41 4F100/AK51 4F100/BA03
4F100/BA07 4F100/DC13 4F100/DG06 4F100/DG12 4F100/DG13
4F100/DH02 4F100/EC18 4F100/EJ30 4F100/EJ33 4F100/GB08
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JP F-Index: B32B5/24 B32B9/00/A C08K3/04



Family:

Publication number	Publication date	Application number	Application date
CN208791533 U	20190426	CN201690001082U	20160610
EP3307815 A1	20180418	EP20160808470	20160610
EP3307815 A4	20190220	EP20160808470	20160610
JP3216710 U	20180621	JP20170600144U	20160610
KR20180017023 A	20180220	KR20177035281	20160610
US2018169994 AA	20180621	US20160735428	20160610
WO16201363 A1	20161215	WO2016US37075	20160610

Priority:

US20150174727P 20150612 US20150211985P 20150831 US20160309868P 20160317
WO2016US37075 20160610 US20160735428 20160610

Probable Assignee: GRAFTECH INT HOLDINGS INC

Assignee(s): (std): GRAFTECH INT HOLDINGS INC ; NEOGRAF SOLUTIONS LLC

Inventor(s): (std): MAYER HELEN K ; SULLIVAN MARK A ; JONES LAWRENCE K ; WILD ANDREW D ; HOFFERT GERALD F ;
SMALC MARTIN D ; BUTRICK CRAIG A ; BURWELL DEANNA J

Agent(s): BRAND THOMAS LOUIS; AOKI ATSUSHI; FLOYD PATRICK

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
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MX MY NZ 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

8) Family number: 52824570 (US2013019873A)

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Title: METHOD AND DEVICES FOR PREVENTION AND TREATMENT OF PRESSURE ULCERS

Abstract: Method and devices for the prevention and treatment of pressure ulcers are described in which a portable support assembly may be worn by a bed-stricken individual around particular regions of the body where pressure ulcers tend to form. The portable support assembly may generally include one or more individual fluid filled pods which are enclosed entirely within an inner fluid pad localized along a central portion. Both the one or more pods and inner fluid pad are then enclosed entirely by another layer of fluid within an outer fluid pad which extends over the entire assembly. Each of the fluid layers may be secured to an outer shell which is relatively stiffer than the fluid layers and may restrict or limit the expansion or movement of the fluid pods and/or fluid pads.

Classifications:

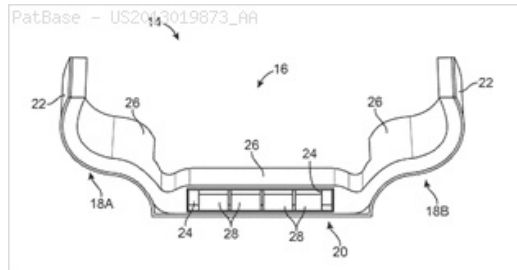
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A47C20/08 A47C21/04 A47C27/00 A47C27/08 A47C27/10 A47C3/12
A47C4/54 A47C7/00 A47C7/02 A61B19/00 A61F13/00 A61F13/06
A61F5/00 A61F5/01 A61F5/02 A61F5/24 A61F5/28 A61F5/30 A61F5/32
A61F5/34 A61F5/37 A61G15/00 A61G15/10 A61G5/02 A61G5/10
A61G7/057 A61G7/065 A61G7/07 A61G7/10
A61H23/02 (Advanced/Invention)

CPC: A61G7/05738 A61G7/05776 A61G5/10 A61G5/1043
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JP F-Term: 4C098 4C098/AA08 4C098/FF10 4C039 4C040 4C040/AA01 4C040/CC10 4C040/GG03

JP F-Index: A61F5/34 A61G5/02/506 A61G7/057



Family:

Publication number	Publication date	Application number	Application date
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DE602013026985 D1	20171026	DE201360026985T	20131018
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US8656919 BB	20140225	US20120407628	20120228
US8776798 BB	20140715	US20110189320	20110722
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WO14081521 A3	20140717	WO2013US65641	20131018

Priority:

US20110189320	20110722	US20110189320	20110722	US20120407628	20120228
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US20120693691	20121204	US20130760482	20130206	US20130784133	20130304
US20130784215	20130304	US20130784260	20130304	US20130784035	20130304
US20130945684	20130718	EP20130857489	20131018	WO2013US65641	20131018

Probable Assignee: PRS MEDICAL TECHNOLOGIES INC

Assignee(s): (std): BHAT NIKHIL ; CHOI GEORGE Y ; JACKSON JASPER ; LI ALLEN ; PRS MEDICAL TECHNOLOGIES INC ; LIN STUART ; PRS MEDICAL TECH INC

Assignee(s): PRS MEDICAL TECHNOLOGIES INC ATHERTON ; LI ALLEN J

Inventor(s): (std): CHOI GEORGE Y ; BHAT NIKHIL ; JACKSON JASPER ; LI ALLEN ; LIN STUART ; LI ALLEN J ; BROMMER ROBERT ALLEN ; BROMMER ROBERT A ; HANNON TREVOR MICHAEL ; HANNON TREVOR M ; NIKHIL BHAT ; GEORGE Y CHOI ; ALLEN J LI ; JASPER JACKSON ; STUART LIN

Inventor(s): BHAT NIKHIL FREMONT ; CHOI GEORGE Y ATHERTON ; LI ALLEN J SAN FRANCISCO ; JACKSON JASPER NEWARK ; LIN STUART ACTON

Agent(s): BORDEN LADNER GERVAIS LLP; PATENTANWALTSKANZLEI MEYER; PRICE NIGEL JOHN KING; J A KEMP; LEVINE BAGADE HAN LLP; HAN JOHNEY U 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

9) Family number: 28321743 (US2002164473A)

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Title: PHASE CHANGE MATERIAL THERMAL CAPACITOR CLOTHING

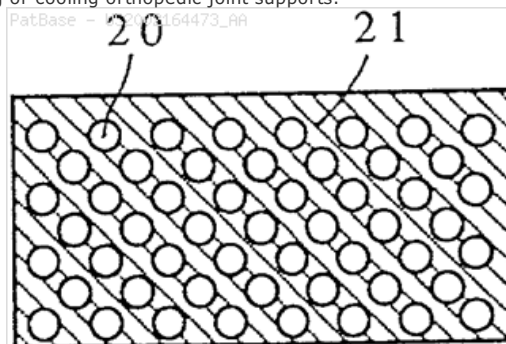
Abstract: An apparatus and method for metabolic cooling and insulation of a user in a cold environment. In its preferred embodiment the apparatus is a highly flexible composite material having a flexible matrix containing a phase change thermal storage material. The apparatus can be made to heat or cool the body or to act as a thermal buffer to protect the wearer from changing environmental conditions. The apparatus may also include an external thermal insulation layer and/or an internal thermal control layer to regulate the rate of heat exchange between the composite and the skin of the wearer. Other embodiments of the apparatus also provide 1) a path for evaporation or direct absorption of perspiration from the skin of the wearer for improved comfort and thermal control, 2) heat conductive pathways within the material for thermal equalization, 3) surface treatments for improved absorption or rejection of heat by the material, and 4) means for quickly regenerating the thermal storage capacity for reuse of the material. Applications of the composite materials are also described which take advantage of the composite's thermal characteristics. The examples described include a diver's wet suit, ski boot liners, thermal socks, gloves and a face mask for cold weather activities, and a metabolic heating or cooling blanket useful for treating hypothermia or fever patients in a medical setting and therapeutic heating or cooling orthopedic joint supports.

Classifications:

International (IPC 8-9): A41D13/005 A41D31/00 A61B19/00 A61F7/02 A61F7/03 B05D7/24 B32B5/18 B32B5/22 B32B5/32 B32B7/02 B63C11/04 C08K5/00 C09K5/06 F28D20/02 (Advanced/Invention); A41D13/005 A61B19/00 A61F7/03 B05D7/24 B32B5/22 F24J1/00 F24V30/00 (Advanced/Non-invention); A41D13/005 A41D31/00 A61B19/00 A61F7/02 B05D7/24 B32B5/18 B32B5/22 B32B7/02 B63C11/02 C08K5/00 C09K5/00 F28D20/02 (Core/Invention)

International (IPC 1-7): A41D1/02 A41D1/06 A41D19/00 A43B5/04 A61F13/00 A61F7/00 A62B17/00 B05D B32B23/00 B32B27/08 B32B27/30 B32B3/26 B32B5/02 B32B5/14 B32B5/18 B32B5/22 B63C11/04 F28D15/00 F28D17/00

CPC: F28F2255/02 Y10T152/10378 Y10T428/249953 Y10T428/24996 Y10T428/249986 Y10T428/249997 Y10T428/249958 Y10T428/249962 Y10T428/249964 Y10T428/249972 Y10T428/249981 Y10T428/249987 Y10T428/249994 Y10T428/249995 Y10T428/31504 Y10T428/31544



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European: A41D31/00C6L A61F7/02 A61F7/04 B32B5/18 B32B7/02 C08K5/00P C09K5/06B F28D20/02B K41D13/005C4 K61F7/00W K61F7/02F4S6 K61F7/02L K61F7/02L2 K61F7/02L4 K61F7/02L9 K61F7/02S K61F7/03D2 R24J1/00 Y02E60/14D Y02E60/14F
US: 152/310 165/10 165/104.11 165/104.12 165/104.13 165/104.15 165/104.17 165/104.19 165/104.21 165/104.23 165/46 2/113 2/115 2/158 2/159 2/167 2/168 2/173 2/2.15 2/2.150S 2/2.16 2/200.1 2/206 2/209 2/227 2/227S 2/411 2/411S 2/93 2/93S 219/211 252/70 36/117.1 36/28 36/2R 36/30A 36/313 36/32R 36/3B 36/83 36/83S 428/304.4 428/308.4 428/308.400P 428/309.9 428/311.11 428/311.51 428/311.510S 428/313.5 428/316.6 428/317.9 428/317.900S 428/318.4 428/320.2 428/321.1 428/321.100S 428/321.5 428/327.7 428/411.1 428/422 428/532 524/487 524/488 524/489 524/490 524/560 524/612 602/41 602/48 604/304

Family:

Publication number	Publication date	Application number	Application date
AU199346782 A1	19940214	AU19930046782	19930713
US2002164473 AA	20021107	US20010989913	20011120
US2002164474 AA	20021107	US20010990236	20011120
US5722482 A	19980303	US19950404419	19950315
US6004662 A	19991221	US19920913246	19920714
US6183855 BA	20010206	US19990467990	19991220
US6319599 BA	20011120	US19980033439	19980302
US6464672 BA	20021015	US19990428137	19991026
US6855410 BB	20050215	US20010989913	20011120
WO9402257 A2	19940203	WO1993US06638	19930713
WO9402257 A3	19940331	WO1993US06638	19930713

Priority:

US19920913246 19920714 WO1993US06638 19930713 US19950404419 19950315
US19980033439 19980302 US19990033439 19990302 US19990428137 19991026
US19990467990 19991220 US20010989913 20011120 US20010990236 20011120

Probable Assignee: THERESA M BUCKLEY

Assignee(s): (std): BUCKLEY THERESA M ; THERESA M BUCKLEY

Inventor(s): (std): BUCKLEY THERESA M

Agent(s): FOLEY AND LARDNER LLP

Designated states: AT AU BE CH DE DK ES FR GB GR IE IT JP LU MC NL PT SE US

10) Family number: 52813764 (US2013061396A)

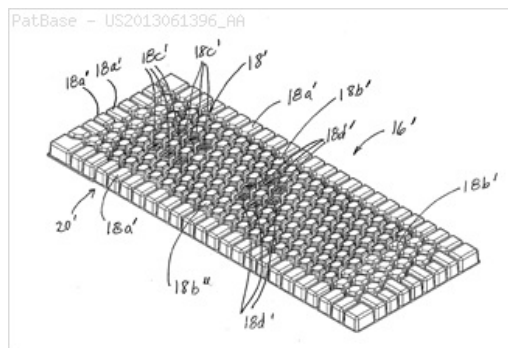
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Title: PATIENT/INVALID HANDLING SUPPORT

Abstract: A patient support for supporting a patient includes an inflatable mattress defining a support surface and a pneumatic system for inflating the inflatable mattress. The pneumatic system includes a pressurized reservoir for holding pressurized air and selectively releases pressurized air from the reservoir to the mattress.

Classifications:

International (IPC 8-9): A47C27/08 A47C27/10 A61G7/05 A61G7/057
A61H23/00 A61H23/04 A61H9/00 (Advanced/Invention)
CPC: A61G7/05776 A61G7/05715 A61G7/05761 A61G7/05792
A61G2203/16 A61G2203/30 A61G2203/34 A61G2203/42 A61H9/0078
A61H23/006 A61H23/04 A61H2201/0146 A61H2201/0176 A61H2201/0184
A61H2201/1697 A61H2201/5002 A61H2201/5038 A61H2201/5046
A61H2201/5064 A61H2201/5092
US: 1/1 5/600 5/706



Family:

Publication number	Publication date	Application number	Application date
DE602012026690 D1	20170126	DE201260026690T	20120713
EP2731567 A2	20140521	EP20120811413	20120713
EP2731567 A4	20141217	EP20120811413	20120713
EP2731567 B1	20161214	EP20120811413	20120713
US2013061396 AA	20130314	US20120548591	20120713
US2018071158 AA	20180315	US20170817987	20171120
US9820904 BB	20171121	US20120548591	20120713
WO13010086 A2	20130117	WO2012US46685	20120713
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Priority:

US20110507371P 20110713 EP20120811413 20120713 US20120548591 20120713
WO2012US46685 20120713 US20170817987 20171120

Probable Assignee: STRYKER CORP

Assignee(s): (std): GIRARD JEAN FRANCOIS ; LACASSE SYLVAIN ; LAFLECHE PATRICK ; STRYKER CORP

Assignee(s): STRYKER KALAMAZOO CORP
Inventor(s): (std): LACASSE SYLVAIN ; LAFLECHE PATRICK ; GIRARD JEAN FRANCOIS
Inventor(s): LACASSE SYLVAIN SAINT ROMUALD ; GIRARD JEAN FRANCOIS QUEBEC CITY ; LAFLECHE PATRICK KALAMAZOO
Agent(s): STOLMAR AND PARTNER PATENTANWAELTE PARTG MBB; COYLE PHILIP AIDAN; WARNER NORCROSS AND JUDD LLP; WARNER NORCROSS AND JUDD LLP 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 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

11) Family number: 30262772 (US2004225341A)

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Title: APPARATUS FOR ALTERING THE BODY TEMPERATURE OF A PATIENT

Abstract: An apparatus for adjusting the body temperature of a patient comprises an enclosure defining an interior space for receiving at least a portion of a patient's body therein. The enclosure is adapted for substantially sealingly enclosing the portion of the patient's body within the interior space with the enclosure. Heat transfer liquid may then be circulated through the interior space of the enclosure via an inlet and an outlet for flow over the patient's body in direct liquid contact therewith to promote heat transfer between the patient's body and said heat transfer liquid. The heat transfer liquid may be either warmer or cooler than the patient's body temperature, to either warm or cool the portion. Controlled cooling may be employed to induce therapeutic hypothermia, while controlled warming may be employed to counteract unintended hypothermia. The apparatus further comprises a portable control unit that includes a liquid delivery system, a power source, a control system and a user interface for powering and controlling the liquid delivery system.

Classifications:

International (IPC 8-9): A61F7/00 A61F7/08 A61F7/10 A61F7/12

A61H31/00 A61M16/06 (Advanced/Invention);

A61B17/00 (Advanced/Non-invention);

A61F7/00 A61F7/08 A61F7/12 A61H31/00 A61M16/06 (Core/Invention);

A61B17/00 (Core/Non-invention);

A61F (Subclass/Invention)

International (IPC 1-7): A61F A61F7/00 A61H31/00 A61M16/06

CPC: A61B2017/00084 A61G1/0262 A61G1/0212 A61G1/0293

A61F2007/0059 A61G10/005 A61G2203/46 A61F2007/0091

A61F2007/0093 A61F2007/0296 A61F7/02 A61B2017/00199 A61F7/00

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European: A61F7/00 A61F7/00B A61F7/02 A61F7/04A K61B17/00C1T

K61B17/00C5 K61F7/00A K61F7/00C K61F7/00C2 K61F7/00D K61G1/02

K61G10/00B

US: 4/585 5/421 5/421S 607/104 607/104P 607/107 607/108 607/108P

607/111 607/112 607/112S 607/114 607/96 607/96P

JP F-Term: 4C074 4C074/AA03 4C074/AA04 4C074/AA05 4C074/BB04

4C074/BB05 4C074/HH05 4C099 4C099/AA03 4C099/CA01 4C099/CA03

4C099/CA07 4C099/CA09 4C099/CA11 4C099/EA06 4C099/HA01

4C099/JA01 4C099/LA02 4C099/LA07 4C099/LA26 4C099/PA02

4C099/PA04 4C099/PA08 4C099/TA03 4C103 4C099/AA01 4C099/AA02

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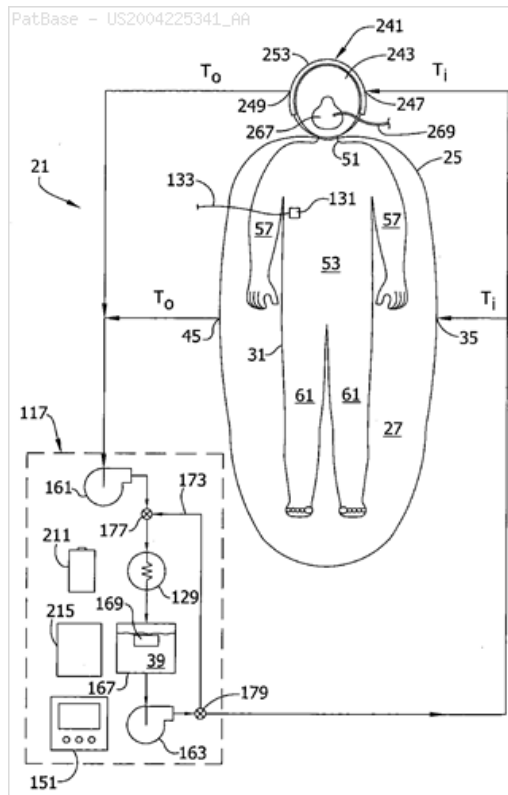
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A61F7/00/331/H A61F7/10/321



Family:

Publication number	Publication date	Application number	Application date
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CN1688269 A	20051026	CN20038021535	20030709
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IN02270DN2007 A	20070803	IN2007DN02270	20070323
IN220939 B	20080801	IN2005CN00012	20050110
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NO20050725 L	20050408	NO20050000725	20050210
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US2005096714 AA	20050505	US20040950152	20040924
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US7731739 BB	20100608	US20060466955	20060824
US7771461 BB	20100810	US20060466914	20060824
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US8435277 BB	20130507	US20080115269	20080505
WO04006814 A2	20040122	WO2003US21367	20030709
WO04006814 A3	20040422	WO2003US21367	20030709
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WO06036612 A2	20060406	WO2005US33302	20050916
WO06036612 A3	20070301	WO2005US33302	20050916
WO08024849 A2	20080228	WO2007US76534	20070822
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Priority:

US20020193635	20020711	WO2003US21367	20030709	US20040896506	20040722
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WO2007US76534	20070822	US20080115269	20080505	US20110031501	20110221

Probable Assignee: LIFE RECOVERY SYSTEMS HD LLC

Assignee(s): (std): BROWNING KEVIN ; COTE MARC ; FREEDMAN ROBERT J JR ; LIFE RECOVERY SYSTEM HD LLC ; LIFE RECOVERY SYSTEMS HD LLC ; LIFE RECOVERY SYSTEMS INC ; OHLEY WILLIAM J ; SCHOCK ROBERT B ; PETRILLO BRECK ; PEKAR ROBERT W

Assignee(s): FREEDMAN ROBERT JJR ; FREEDMAN ROBERT J

Inventor(s): (std): SCHOCK ROBERT B ; FREEDMAN ROBERT J JR ; COTE MARC ; FREEDMAN ROBERT J ; OHLEY WILLIAM J ; SCHOCK ROBERT BRUCE ; FREEDMAN JR ROBERT J ; MARC COTE ; ROBERT J ; ROBERT B SCHOCK ; PETRILLO BRECK ; BROWNING KEVIN ; PEKAR ROBERT W ; COTE MARC FREEDMAN ROBERT J JR ; SCHOOK ROBERT B

Inventor(s): SCHOCK ROBERT ; OHLEY WILLIAM ; FREEDMAN ROBERT ; ROBERT J FREEDMAN JR ; COTE MARC FREEDMAN ROBERT J JR SCHOCK ROBERT B ; WILLIAM J OHLEY ; ROBERT J JR FREEDMAN ; FREEDMAN ; JR ROBERT J ; FREEDMAN ROBERT JJR

Agent(s): E F WELLINGTON AND CO; EF WELLINGTON AND CO; SPRUSON AND FERGUSON; SMART AND BIGGAR; SMAGGASGALL GILLIAN HELEN; EITAN PEARL LATZER AND COHEN ZEDEK; EITAN MEHULAL AND SADOT; SENNIGER POWERS LEAVITT AND ROEDER; SENNIGER POWERS; PATRICK W RASCHE ARMSTRONG TEASDALE LLP; RICHARD L BRIDGE ARMSTRONG TEASDALE LLP; ARMSTRONG TEASDALE LLP; BRENNAN PATRICK E 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: METHODS AND DEVICES FOR INFLAMMATION TREATMENT

Abstract: Methods and devices are disclosed for controlled mediation and/or improvement of inflammation, inflammation associated with pain, and pain by delivering non-ablative thermal tissue damage to portions of a region of tissue including a volume of inflamed tissue, thereby activating the immune systems pain relief response to the tissue damage.

Classifications:

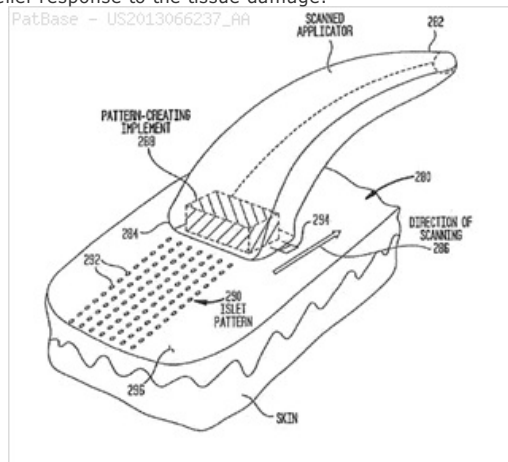
International (IPC 8-9): A61N5/00 A61N5/06

A61N7/00 (Advanced/Invention)

CPC: A61N2005/0644 A61N2005/0651 A61N2005/067 A61N2007/0017

A61B5/445 A61N5/022 A61N5/0619

US: 601/2 604/20 607/1 607/88 607/96



Family:

Publication number	Publication date	Application number	Application date
US2013066237 AA	20130314	US20120540455	20120702

Priority:

US20110532934P 20110909 US20120540455 20120702

Probable Assignee: PALOMAR MEDICAL TECHNOLOGIES LLC

Assignee(s): (std): ALTSHULER GREGORY B ; COHEN RICHARD ; PALOMAR MEDICAL TECH INC ; SMOTRICH MICHAEL H ; YAROSLAVSKY ILYA

Assignee(s): PALOMAR MEDICAL TECHNOLOGIES LLC ; PALOMAR MEDICAL TECHNOLOGIES INC

Inventor(s): (std): SMOTRICH MICHAEL H ; ALTSHULER GREGORY B ; COHEN RICHARD ; YAROSLAVSKY ILYA

Title: THERMOCHROMIC COLOR-MEMORY COMPOSITION AND THERMOCHROMIC COLOR-MEMORY MICROCAPSULE PIGMENT ENCAPSULATING THE SAME

Abstract: The present invention relates to a thermochromic color-memory composition containing: (I) an electron donating coloring organic compound, (II) an electron accepting compound, and (III) an ester compound represented by the following formula (1) as a reaction medium which controls color reaction of the components (I) and (II): (in the formula, X represents any of a hydrogen atom, an alkyl group having 1 to 4 carbon atoms, an alkoxy group having 1 to 4 carbon atoms, and a halogen atom, m represents an integer of from 1 to 3, and n represents an integer of from 1 to 20).

Classifications:

International (IPC 8-9): B32B27/20 B41M5/28 B41M5/337 C08K9/10 C09B67/02 C09B67/08 C09D11/037 C09D11/16 C09D11/17 C09D11/322 C09D11/50 C09K9/02 (Advanced/Invention)

CPC: C09D11/17 B41M5/165 B41M5/327 B41M5/3375 B41M5/3335

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C09D11/322 C09D11/50 C09K9/02

European: C09B67/00B4F6 C09B67/00T C09K9/02

US: 106/31.13 106/31.23 503/209 503/213

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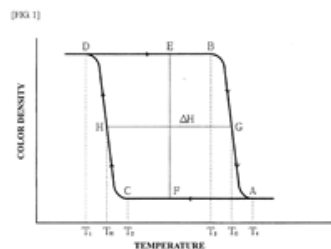
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4F100/JN28 4H023 4H056 4J002 4J002/AB01 4J002/AB05 4J002/BC12

4J002/BE02 4J002/BG02 4J002/BJ00 4J002/CF01 4J002/EH09 4J002/FB28

4J002/FD09 4J002/GC00 4J002/GT00

JP F-Index: B32B27/20/A C08K9/10 C09B67/08/A C09K9/02/C

**Family:**

Publication number	Publication date	Application number	Application date
DE602011045379 D1	20180301	DE201160045379T	20111007
EP2626398 A1	20130814	EP20110830768	20111007
EP2626398 A4	20140326	EP20110830768	20111007
EP2626398 B1	20180124	EP20110830768	20111007
JP2012046837 A1	20140224	JP20120537771T	20111007
JP5875520 B1	20160302	JP20120537771T	20111007
US2013210622 AA	20130815	US20110877927	20111007
US8962522 BB	20150224	US20110877927	20111007
WO12046837 A1	20120412	WO2011JP73190	20111007

Priority:

JP20100227253 20101007 JP20110186789 20110830 EP20110830768 20111007
 WO2011JP73190 20111007 JP20120537771 20111007

Probable Assignee: PILOT INK CO LTD

Assignee(s): (std): PILOT INK CO LTD ; ONO YOSHIKI

Assignee(s): PILOT INK CO ; PILOT INK CO LTD NAGOYA ; THE PILOT INK CO LTD ; THE PILOT INK CO

Inventor(s): (std): ONO YOSHIKI

Inventor(s): ONO YOSHIKI NAGOYA SHI

Agent(s): HOFFMANN EITL PATENT U RECHTSANWALTE PARTMBB; HOFFMANN EITL; EIKOH PATENT FIRM PC;
 SUGHRUE MION PLLC; OGURI SHOHEI 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 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

14) Family number: 61052877 (US2017081103A)

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Title: BOX WITH INNER BAG FOR LIQUID FOOD

Abstract: A rigid box with a wall defining an inner chamber into which extends a flexible bag for a liquid or viscous food to be consumed in a suitable serving temperature range, whereby the flexible bag is associated with a part comprising a valve. The box is provided with passages suitable for the flow of an aqueous medium within the inner chamber outside the flexible bag so as to control the temperature of the food to be consumed.

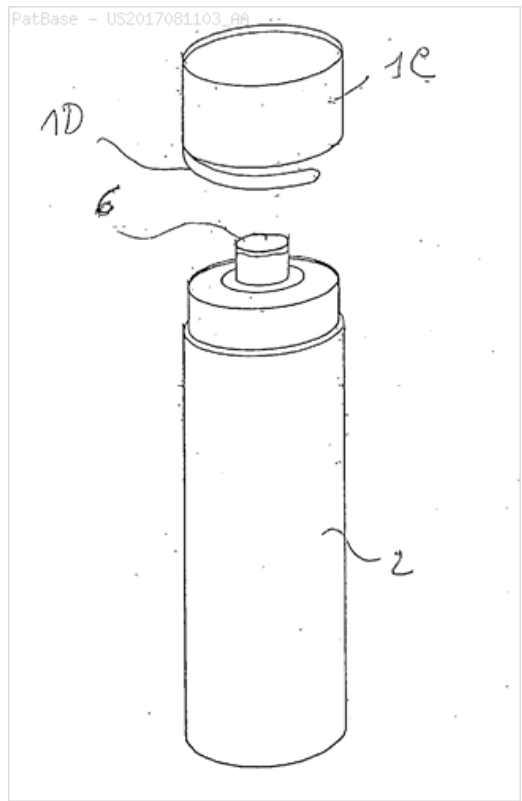
Classifications:

International (IPC 8-9): B65D47/24 B65D77/06 B65D77/20 B65D81/38
 B65D85/72 B67D1/00 B67D1/08 F25D1/02 (Advanced/Invention)

CPC: B65D81/3825 B65D77/20 B65D85/72 B67D1/0857 B67D1/0895

B65D77/067 B65D77/06 B67D1/0001 B67D1/0462 B65D47/249

US: 1/1 222/1



Family:

Publication number	Publication date	Application number	Application date
AU2015271656 AA	20161222	AU20150271656	20150601
AU2015271656 BB	20180419	AU20150271656	20150601
AU2017369869 AA	20190523	AU20170369869	20171127
CA2950998 AA	20161201	CA20152950998	20150601
EP3148899 A1	20170405	EP20150738568	20150601
US2017081103 AA	20170323	US20160366313	20161201
US10167126 BB	20190101	US20160366313	20161201
WO15184513 A1	20151210	WO2015BE00026	20150601
WO18100424 A1	20180607	WO2017IB01452	20171127

Priority:

BE20140000414 20140602 WO2015BE00026 20150601 US20160366313 20161201
WO2017IB01452 20171127

Probable Assignee: INVINEO SA

Assignee(s): (std): INVINEO S A ; MERTENS DE MILMARS ETIENNE ; MERTENS DE WILMARS ETIENNE ; TACHENY THIERRY

Assignee(s): INVINEO SA ; BIBMATIC SA

Inventor(s): (std): MERTENS DE WILMARS ETIENNE ; TACHENY THIERRY ; MERTENS DE MILMARS ETIENNE

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; MOFFAT AND CO; POWIS DE TENBOSSCHE ROLAND; HOVEY WILLIAMS LLP; POWIS DE TENBOSSCHE ROLAND 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 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

15) Family number: 43492909 (WO09084058A1)

PatBase

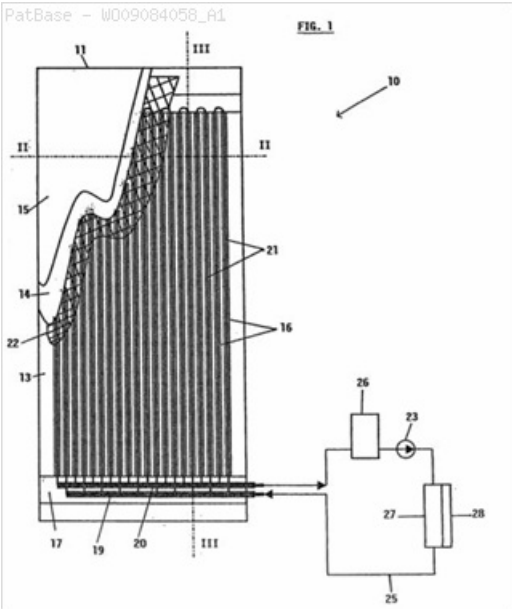
Title: DEVICE FOR CONTROLLING THE TEMPERATURE OF A MATTRESS

Abstract: The device for controlling the temperature of a mattress comprises a mattress assembly(II) including a bottom layer(12), a middle layer(13) and a top layer (14) made from a foam material, a plurality of spaced parallel open channels(16) formed in the middle layer(13) of the mattress assembly (11), a pair of flexible headers (19, 20), a plurality of flexible tubes of U-shape(21), having the branches of the U-shaped tubes (21) disposed in the channels (16), whereby all of the U- shaped tubes (21) are connected in parallel, circulating means (23) for circulating a heat transfer medium through the headers (19, 20) and U-shaped tubes(21), control means(27,28) for controlling the temperature of the heat transfer medium. The mattress assembly(II) comprises a net or foil layer(22) of flexible and thermally conductive material sandwiched between the top (14) and middle layers (13) to cover the channels (16) provided in the middle layer (13). The U-shaped tubes (21) are arranged in the channels in an unrestrained manner.

Classifications:

International (IPC 8-9): A47C21/04 (Advanced/Invention);
A47C21/00 (Core/Invention)

CPC: A47C21/044 A47C21/048



Family:

Publication number	Publication date	Application number	Application date
W009084058 A1	20090709	W02008IT00002	20080103

Priority:

W02008IT00002 20080103

Probable Assignee: PELTECH SRL

Assignee(s): PASTORINO GIORGIO ; PELTECH S R L ; PELTECH SRL

Inventor(s): PASTORINO GIORGIO

Agent(s): CARLONI FRANCO

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

16) Family number: 62110913 (US2016105592A) © PatBase

Title: SHOCK-RESISTANT CAMERA MOUNTING DEVICE AND METHODS OF FORMING THE SAME

Abstract: Mounting systems and kits for video recording devices, including a housing partially disposed within a suspension element, the suspension element having a mounting bracket connected thereto, and one or more shock-absorbing elements positioned at an interface or disposed at least partially between a portion of the housing and the suspension element. The housing can also include one or more thermal management or temperature control elements, including one or more heating elements, cooling elements, thermal conducting elements, heat dissipating elements, and/or ventilation elements. A kit can include a plurality of thermal management elements, including a variety of interchangeable thermal management modules for selectively heating and/or cooling the video recording device.

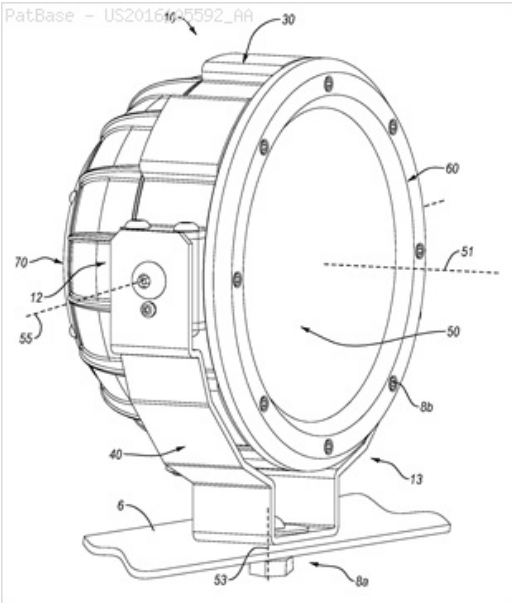
Classifications:

International (IPC 8-9): G08B13/196 H04N5/225 (Advanced/Invention)

CPC: H04N5/2252 G08B13/19619 H04N5/2251

US: 29/428 348/373 D16/245

Locarno class: 16/05



Family:

Publication number	Publication date	Application number	Application date
US2016105592 AA	20160414	US20140512109	20141010
US9762779 BB	20170912	US20140512109	20141010
USD827699 S1	20180904	US20150527157F	20150515

Priority:

US20140512109 20141010 US20150527157F 20150515

Probable Assignee: DOTWORKZ

Assignee(s): (std): DOTWORKZ ; TRAEGER PELLET GRILLS LLC

Inventor(s): (std): DISPENZA JACE ; FERRIS WILLIAM

Agent(s): WORKMAN NYDEGGER

17) Family number: 70085915 (US2019257598A)

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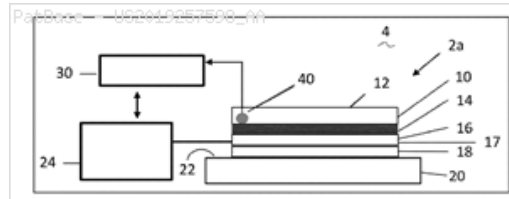
Title: ENERGY REGULATING SYSTEM AND METHODS USING SAME

Abstract: An energy regulating system and thermally regulated article for a habitable space or vehicle interior space are provided which include a thermally conductive member, such as one or more sheets of flexible graphite member, in thermal communication with a thermal energy source such as a heat source or cold source. The thermally conductive member having an exterior surface adapted to be exposed to an occupant of the vehicle or building. A controller is in operable communication with a power source connected in the heat source or cold source for regulating the temperature perceived by the occupant by varying the power supplied to the heat source or cold source.

Classifications:

International (IPC 8-9): B32B5/18 B32B9/00 B60H1/14 B60H1/22 F24D13/02 F24D15/00 F24D3/14 F24D3/16 F24F13/30 F24F5/00 F28D17/00 F28D17/02 F28D17/04 F28F13/00 F28F21/02 F28F21/06 F28F7/00 H01M10/60 H01M10/655 H01M8/04007 H1M10/655 (Advanced/Invention)

CPC: F28F13/00 B32B5/18 B32B9/007 B60H1/22 F24F13/30 F28F13/003 F28F21/02 F28F21/067 F28F21/068 F28F2255/02 F24D3/14 F24D3/16 F24D13/024 B60H1/14 B60H1/2218 H01M2220/20

**Family:**

Publication number	Publication date	Application number	Application date
CA3039632 AA	20190404	CA20173039632	20171206
IN201917022905 A	20190802	IN201917022905	20190610
KR20190090378 A	20190801	KR20197015880	20171206
US2019257598 AA	20190822	US20170347223	20171206
WO18106793 A1	20180614	WO2017US64887	20171206

Priority:

US20160430537P 20161206 US20170347223 20171206 WO2017US64887 20171206

Probable Assignee: NEOGRAF SOLUTIONS LLC

Assignee(s): (std): NEOGRAF SOLUTIONS LLC

Assignee(s): SMALC MARTIN D ; SOUTHARD JOHN L ; WAYNE RYAN J

Inventor(s): (std): SMALC MARTIN D ; SOUTHARD JOHN L ; WAYNE RYAN J ; SOUTHARD II JOHN L ; WAYNE RYAN ; SOUTHARD JOHN ; SMALC MARTIN

Agent(s): MARKS AND CLERK; FLOYD PATRICK D

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

18) Family number: 42242961 (US2010294996A)

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Title: MATERIAL FOR THE FORMATION OF STRUCTURES HAVING A SUPPORT FUNCTION

Abstract: The invention describes a material for the formation of structures consisting of a polymer or a polymer mixture and an initiator, wherein the polymer or polymer mixture can be transformed from a liquid or viscous state to a solid state by the initiator, and the use of said material as well as a method for the production of structures using said material.

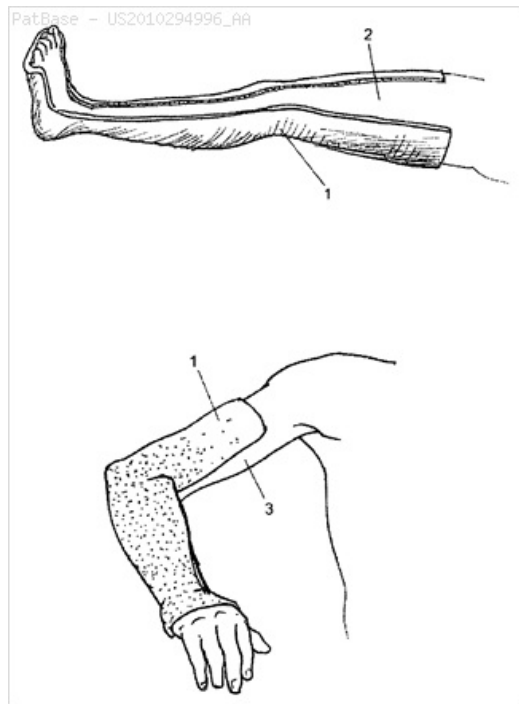
Classifications:

International (IPC 8-9): A61K47/48 C08F6/00 C08J3/00 C08K13/00 C08K3/00 C08K5/00 H01B1/12 (Advanced/Invention); A61K47/48 C08J3/00 C08K13/00 C08K3/00 C08K5/00 (Core/Invention)

CPC: C08K3/013 C08L21/00

European: C08K3/00P5 M08L21/00

US: 252/500 252/500P 528/480 528/480S



Family:

Publication number	Publication date	Application number	Application date
EP2132260 A2	20091216	EP20080718139	20080320
US2010294996 AA	20101125	US20080450381	20080320
WO08116847 A2	20081002	WO2008EP53435	20080320
WO08116847 A3	20090122	WO2008EP53435	20080320

Priority:

DE200710014938 20070323 WO2008EP53435 20080320

Probable Assignee: REDTEL HOLGER

Assignee(s): (std): REDTEL HOLGER

Inventor(s): (std): REDTEL HOLGER

Agent(s): SCHUBERT KLEMENS; KRIEGSMAN AND KRIEGSMAN; CULLINANE MARIETTA B

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

19) Family number: 60912981 (US2018168902A)

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Title: INCUBATOR WITH THERMOREGULATING ARRANGEMENT FOR NEWBORNS SUFFERING FROM PATHOLOGIES

Abstract: The invention relates to an incubator with a thermoregulating arrangement for newborns suffering from pathologies, comprising a closed compartment consisting of a horizontal partition that separates an upper part from a lower part, wherein the upper part has receiving and housing elements for the newborn, while the lower part has respective means and elements for thermoregulation, measurement, etc., which allow the production of air flows that maintain environmental conditions according to the newborn's needs.

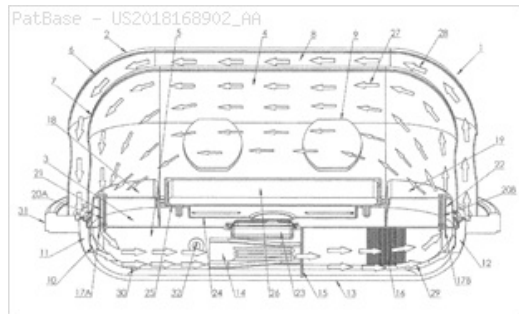
Classifications:

International (IPC 8-9): A61G10/00 A61G10/02 A61G10/04 A61G11/00

A61M16/00 A61M16/10 A61M16/16 (Advanced/Invention)

CPC: A61G11/006 A61G10/02 A61G10/00 A61G10/04 A61G11/00

US: 1/1 600/22



Family:

Publication number	Publication date	Application number	Application date
AR096396 AA	20151230	AR2014P102037	20140523
EP3146954 A1	20170329	EP20150796746	20150520

EP3146954 A4	20180207	EP20150796746	20150520
US2018168902 AA	20180621	US20150510058	20150520
US10335337 BB	20190702	US20150510058	20150520
WO15176193 A1	20151126	WO2015CL50014	20150520

Priority:

AR2014P102037 20140523 WO2015CL50014 20150520

Probable Assignee: PEMAN GERARDO

Assignee(s): (std): BONETTO CARLOS ALBERTO ; GAY EDUARDO ALFONSO ; PEMAN GERARDO

Inventor(s): (std): BONETTO CARLOS ALBERTO ; GAY EDUARDO ALFONSO

Agent(s): RUO ALESSANDRO; TORRES OYOLA EUGENIO J; RODRIGUEZ REYES VICTOR M; RODRIGUEZ MURIEL RAFAEL; FERNANDEZ TELLERIA FERNANDO

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