

Search history

Search 1: SFT=((pad or patch) and adhesive and pain) (Results 15018)

Search 2: 1 and (heat or hot) (Results 8780)

Search 3: SFT=(1) and CPC=(A61F7) (Results 358)

Search 4: 2 and 3 (Results 338)

Search 5: 3 and (heat* or hot) (Results 344)

Title: METHOD AND APPARATUS FOR TREATING GLAND DYSFUNCTION EMPLOYING HEATED MEDIUM

Abstract: Source: US2007016254A [EN] A method and apparatus for treating gland dysfunction caused by gland obstruction in order to restore the natural flow of secretion from the gland comprises the application of a combination of energy, suction, vibration, heat, aspiration, chemical agents and pharmacological agents to loosen and thereafter remove the obstructive material.

Classifications:

International (IPC 8-9): A61B1/06 A61B17/22 A61B18/02 A61B18/04 A61B3/10 A61B3/14 A61B6/00 A61B7/00 A61B8/00 A61F7/00 A61F7/02 A61F7/03 A61F7/08 A61F7/12 A61F9/00 A61F9/007 A61F9/04 A61H1/00 A61H15/02 A61H23/02 A61H7/00 A61H9/00 A61K31/65 A61K38/18 A61K38/43 A61K45/00 A61M A61M35/00 A61M37/00 A61N1/39 A61N1/40 A61N5/00 A61N5/02 A61N5/06 A61N7/00 A61N7/02 A61P27/02 B08B3/10 G01N33/22 (Advanced/Invention); A61B17/00 A61B18/00 A61B18/04 A61B18/10 A61B18/12 A61B3/10 A61B5/00 A61F7/00 A61H15/00 A61H39/08 A61N7/00 (Advanced/Non-invention); A61B18/00 A61B18/04 A61B3/10 A61B3/14 A61B6/00 A61B8/00 A61F7/00 A61F7/08 A61F7/12 A61F9/00 A61F9/007 A61F9/04 A61H23/02 A61H7/00 A61K31/65 A61K38/18 A61K38/43 A61K45/00 A61M35/00 A61N1/39 A61P27/00 B08B3/10 (Core/Invention); A61M (Subclass/Invention)

International (IPC 1-7): A61F7/00 A61M35/00 B08B3/10 **CPC:** A61F9/0008 A61F9/0026 A61H35/02 A61H2201/0221 A61H2201/1607 A61H2201/165 A61H2205/022 A61H7/001 A61F9/00 A61H2201/1604 A61B17/3203 A61B18/04 A61F2007/0086 A61H1/008 G01N33/227 A61F2007/0088 A61F9/0079 A61N5/0625 A61B2017/22082 A61F2007/0282 A61F2007/0261 A61B17/22004 A61F7/02 A61N5/025 A61N2005/0643 A61N2005/0659 A61N2005/067 A61B5/415 A61F7/12 A61H7/00 A61F9/007 A61N1/403 G01N21/78 A61F9/00718 A61B5/0066 A61B3/10 A61B5/0073 A61B5/411 A61B5/4261 A61K31/65 A61K38/1841 A61B5/4836 A61B18/12 A61B2562/0247 A61B2562/0271 A61H7/003 A61H7/005 A61H9/0057 A61H9/0071 A61H9/0078 A61H23/0236 A61H23/0245 A61H23/0263 A61H39/086 A61H2015/0014 A61H2201/0176 A61H2201/0207 A61H2201/0214 A61H2201/5038 A61H2201/5043 A61H2205/024 A61F2007/0091 A61F2007/0096 A61F2007/0249 A61B18/08 A61B2017/00084 A61F7/007 A61F9/00772 A61B17/22 Y10T436/170769 Y10T436/173076 Y10T436/173845 Y10T436/178459 Y10T436/19 Y10T436/206664 A61B18/10 A61B2018/00642 A61B2018/00791 A61B2018/046 A61B2018/048 A61F9/00781 A61F2007/0004 A61F2007/0059 A61F2007/0071 A61N7/00

European: A61B3/10 A61B3/10D A61B3/10H A61B3/14 A61B5/41B A61F7/00E A61F7/02 A61F7/12 A61F9/00 A61F9/007T A61F9/007V A61F9/00B A61H35/02 A61H7/00 A61H7/00B K61B17/00C1T K61B17/3203 K61B18/00H12B K61B18/00H2 K61B18/04 K61B18/04C2 K61B18/04C4 K61B18/10 K61B18/12 K61B5/00P6 K61B5/42M K61F7/00A2B K61F7/00D K61F7/00E K61F7/00E1 K61F7/00G K61F7/02M K61F9/007T K61F9/00B4 K61H15/00A3C K61H201/02H K61H201/02M K61H201/16A2 K61H201/16A20 K61H201/16A2A K61H205/02B K61H205/02B4 K61N7/00 **US:** 1/1 128/898 128/898S 424/94.1 424/94.100S 436/107 436/110 436/111 436/117 436/124 436/135 514/12 514/152 514/152S 514/2.4 514/2.400S 514/20.8 514/20.800S 514/7.4 514/7.400S 514/8.9 514/8.900S 600/249 600/249P 600/407 600/425 600/427 600/437 600/443 600/443P 600/452 600/473 600/473P 600/474 600/476 601/13 601/15 601/15P 601/15S 601/17 601/17P 601/18 601/19 601/19S 601/2 601/3 601/3P 601/5 604/19 604/20 604/20P 604/21 604/289 604/289P 604/290 604/290P 604/291 604/291S 604/294 604/294P 604/295 604/297 604/298 604/300 604/301 604/540 604/540S 604/543 604/543S 606/127 606/127S 606/128 606/128S 606/162 606/2 606/205 606/27 606/27P 606/27S 606/28 606/28S 606/2S 606/33 606/33S 607/1 607/100 607/100S 607/101 607/102 607/104 607/104P 607/104S 607/108 607/108P 607/108S 607/109 607/109P 607/1P 607/88 607/89 607/96 607/96P 607/99 607/99S

Family:

Publication number	Publication date	Application number	Application date
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PatBase - US2007016254_AA

Patent Application Publication: Jan. 18, 2007 Sheet 1 of 11 US 2007/0016254 A1

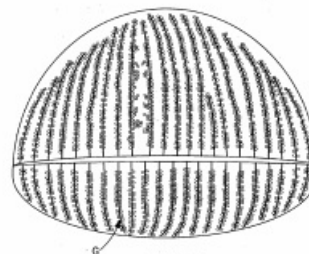


FIG. 1

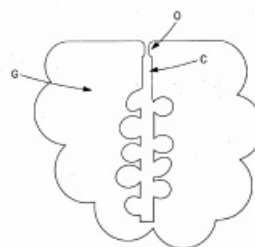


FIG. 2

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Priority:

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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 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: APPARATUS AND METHOD FOR MEASURING BIOLOGIC PARAMETERS

Abstract: Source: US2004059212A [EN] 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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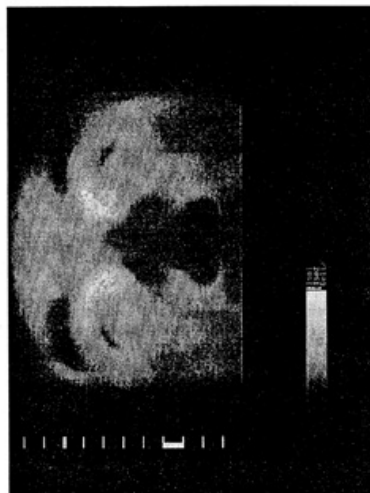
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Family:

Publication number	Publication date	Application number	Application date
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Agent(s): FB RICE; FB RICE PTY LTD; MOFFAT AND CO; PFENNING MEINIG AND PARTNER MBB
PATENTANWAELTE; WILLIAMS MICHAEL DAVID; PFENNING MEINIG AND PARTNER GBR; PFENNING
MEINIG AND PARTNER MBB; TRIGO JOSE RAMON; WOLFF BREGMAN AND GOLLER; NISHIJIMA TAKAKI;
OHTSUKA FUMIAKI; SUDA HIROYUKI; KONDO NAOIKI; UESUGI HIROSHI; DESHIMARU TAKESHI; ATMD
BIRD AND BIRD LLP; JACOBSON HOLMAN PLLC; STUDEBAKER AND BRACKETT PC; SCHERER
JONATHAN L

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
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Title: Methods and apparatus for using controlled **heat** to regulate transdermal and controlled release delivery of fentanyl, other analgesics, and other medical substances

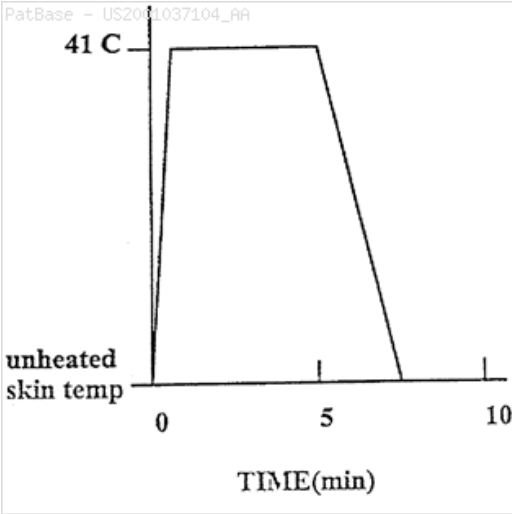
Abstract: Source: US2001037104A [EN] The present invention is directed toward an apparatus to rapidly deliver a drug to a patient The invention comprises a drug beneath a patient's skin in a drug depot site. A **heating** component is placed near the drug depot site and generates **heat** in and near the drug depot site. A control component connected to the **heating** component is used to control the magnitude and duration of **heat** generated by the **heating** component.

FDA Data:

Application number	Active ingredient	Proprietary name	Applicant	Date of approval
021623	LIDOCAINE; TETRACAINE	SYNERA	GALEN SPECIALTY	Jun 23, 2005
021623	LIDOCAINE; TETRACAINE	SYNERA	ZARS PHARM	Jun 23, 2005
021717	LIDOCAINE; TETRACAINE	LIDOCAINE AND TETRACAINE	GALDERMA LABS LP	Jun 29, 2006
021717	LIDOCAINE; TETRACAINE	PLIAGLIS	GALDERMA LABS LP	Jun 29, 2006
021717	LIDOCAINE; TETRACAINE	PLIAGLIS	TARO PHARMS	Jun 29, 2006

Classifications:

International (IPC 8-9): A01N25/34 A61B17/00 A61F13/00 A61F13/02 A61F7/02 A61F7/03 A61F7/08 A61K31/167 A61K31/216 A61K31/245 A61K31/4468 A61K31/4535 A61K31/465 A61K31/5513 A61K31/66 A61K45/00 A61K47/10 A61K47/14 A61K47/22 A61K47/30 A61K47/32 A61K47/34 A61K9/00 A61K9/10 A61K9/22 A61K9/70 A61L15/00 A61L15/42 A61L15/44 A61M19/00 A61M31/00 A61M37/00 A61N1/30 A61P1/08 A61P23/00 A61P23/02 A61P25/02 A61P25/04 A61P25/06 A61P25/18 A61P25/22 A61P29/02 A61P5/00 A61P9/00 A61P9/12 (Advanced/Invention); A61B17/00 A61F13/00 A61F7/02 A61F7/03 A61F7/08 A61K47/30 A61K47/34 A61M37/00 (Advanced/Non-invention); A01N25/34 A61F13/00 A61F7/02 A61F7/08 A61K47/30 A61K47/34 A61K9/00 A61K9/70 A61L15/00 A61L15/16 A61M31/00 A61M37/00 A61N1/30 (Core/Invention); A61F13/00 A61F7/02 (Core/Non-invention)
International (IPC 1-7): A01N25/34 A61F13/00 A61F13/02 A61F7/00 A61F7/02 A61F7/08 A61J A61K31/167 A61K31/245 A61K31/4468 A61K31/4535 A61K31/465 A61K31/66 A61K45/00 A61K47/30 A61K47/34 A61K7/00 A61K9/10 A61K9/22 A61K9/70 A61L15/00 A61L15/16 A61L16/00 A61M19/00 A61M31/00 A61M35/00 A61M37/00 A61N1/00 A61N1/30 A61P1/08 A61P23/00 A61P23/02 A61P25/04 A61P25/06 A61P25/18 A61P29/02 A61P5/00 A61P9/00 A61P9/12
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Probable Assignee: ZARS PHARMA INC

Assignee(s): (std): HAO ZHANG ; HULL WADE ; ASHBURN MICHAEL A ; JIE ZHANG ; NUVO RES INC ; ZHANG JIE ; RIGBY LARRY ; ZARS INC ; STANLEY THEODORE ; ZARRS CO LTD ; ZHANG HAO ; WARNER KEVIN S ; ZARS PHARMA INC

Assignee(s): ZARS PHARMA INC WAS KNOWN AS ZARS INC.. ; NUVO RESEARCH INC ; PALADIN LABS INC ; ZIONS FIRST NATIONAL BANK ; ZARS SUITE ; ZARS ; ZARRS CO ; NUVO RESEARCH AMERICA INC ; CRESCITA THERAPEUTICS INC ; HULL WADE A

Inventor(s): (std): ASHBURN MICHAEL A ; HAO ZHANG ; HAO ZHANG JIE ZHANG ; HULL WADE ; HULL WADE A ; HULL WADE RIGBY LARRY ZHANG JIE ; JIE ZHANG ; RIGBY LARRY ; STANLEY THEODORE ; WARNER KEVIN S ; ZHANG HAO ; ZHANG JIE ; JIE HULL WADE RIGBY LARRY ZHAN

Inventor(s): ZHANG JIE ZHANG HAO ; ZHANG JIE SALT LAKE CITY ; ZHANG HAO MIDVALE

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; CASSAN MACLEAN; SMART AND BIGGAR; BETTEN AND RESCH PATENT U RECHTSANWAELTE PARTGMBB; GERBINO ANGELO; GEMMELL PETER ALAN; DE JUSTO MARIO; MASUI CHUJI; SHAMOTO ICHIO; KOBAYASHI YASUSHI; KANDA FUJIHIRO; TOMITA HIROYUKI; ONO SHINJIRO; CHIBA AKIO; KIRTON AND MCCONKIE; MICHAEL F

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL 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: BUS BAR COUPLING FOR CONDUCTIVE FABRIC **HEATERS**

Abstract: Source: US2007068923A [EN] A flexible **heating** subassembly, that may be incorporated in a **heating** blanket or any other type of flexible **heater**, includes a conductive fabric **heater** to which first and second conductive bus bars, each being disposed alongside a respective first and second lateral edge of the **heater**, are coupled, each with a respective first and second row of conductive stitching. A first electrically insulating member is interposed between the first bus bar and the **heater** and is secured therebetween by the first row of stitching, and a second electrically insulating member is interposed between the second bus bar and the **heater** and is secured therebetween by the second row of stitching. The first and second insulating members prevent direct electrical contact between respective first and second bus bars and the **heater**.

Classifications:

International (IPC 8-9): A61F7/00 H05B1/00 H05B11/00 H05B3/00 H05B3/34 H05B3/54 H05B3/68 (Advanced/Invention);

A61F7/00 (Advanced/Non-invention);

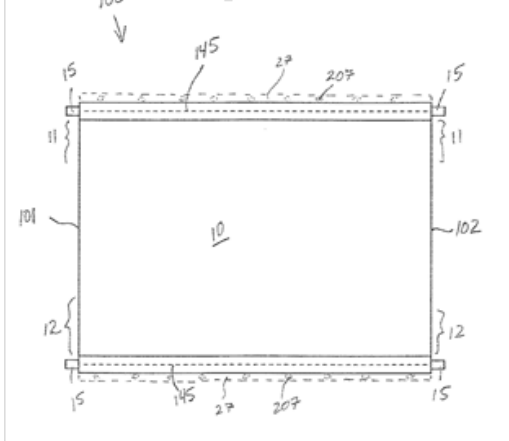
A61F7/00 H05B1/00 H05B11/00 H05B3/00 H05B3/34 H05B3/54 H05B3/68 (Core/Invention)

CPC: A61F7/0097 A61F2007/0249 H05B2203/013 A61B46/00 A61B46/27 H05B3/342 A61B2017/00084 A61F7/007 A61F2007/0001 A61F2007/0071 A61F2007/0086 A61F2007/0257 H05B2203/011 H05B2203/016 H05B2203/017

European: A61B19/08 A61B19/12 A61F7/00E A61F7/00U H05B3/34B K61B17/00C1T K61F7/00A K61F7/00E K61F7/00E1 K61F7/00G K61F7/02L4 K61F7/02L6 T05B203/011 T05B203/013 T05B203/016 T05B203/017

US: 219/200 219/212 219/217 219/465.1 219/465.100 219/465.100P 219/528 219/529 219/545 219/548 219/549 607/96 607/96P

PatBase - US2007068923_AA



Family:

Publication number	Publication date	Application number	Application date
AU2006299636 AA	20070412	AU20060299636	20060929
AU2006348160 AA	20080320	AU20060348160	20060929
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Probable Assignee: AUGUSTINE TEMPERATURE MANAGEMENT LLC

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

Assignee(s): HOT DOG INTERNATIONAL LLC ; AUGUSTINE BIOMEDICAL AND DESIGN LLC EDEN PRAIRIE ; AUGUSTINE BIODMEDICAL AND DESIGN LLC ; HOT DOG INT ; AUGUSTINE TEMPERATURE MANAGEMENT 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

Inventor(s): NEILS THOMAS F MINNEAPOLIS ; RYAN S AUGUSTINE ; THOMAS F NEILS ; SCOTT D AUGUSTINE ; SCOTT A ENTENMAN ; RUDOLF A DEIBEL ; RANDALL C ARNOLD ; KEITH J LELAND ; LELAND KEITH J ; AUGUSTINE SCOTT ; ARNOLD RANDALL ; LELAND KEITH J MEDINA ; NEILS THOMAS ; LAWRENCE GORDON D MINNEAPOLIS ; ENTENMAN SCOTT A ST PAUL ; GORDON D LAWRENCE ; LAWRENCE GORDON ; DEIBEL RUDOLF A EDEN PRAIRIE ; ENTENMAN SCOTT ; AUGUSTINE SCOTT D BLOOMINGTON ; DEIBEL RUDOLF ; AUGUSTINE RYAN S MINNEAPOLIS ; ARNOLD RANDALL C MINNETONKA ; AUGUSTINE RYAN

Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; BORDEN

LADNER GERVAIS LLP; ANWALTSKANZLEI MEISSNER AND MEISSNER; HOWE STEVEN; UNGRIA JAVIER;
INTELLECTUAL PROPERTY GROUP FREDRIKSON AND BYRON PA; FREDRIKSON AND BYRON PA;
SEGELBAUM CHARLES D ET AL

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
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NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN
TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: PHYSIOLOGY ENHANCING DEVICE

Abstract: Source: US2009062890A [EN] A physiology enhancing device for improving physiological functions of a human body, etc., which comprises a **heat** generating element making use of chemical energy and a sheet interposed between the **heat** generating element and a body surface of a wearer, and which is designed to supply steam generated from the **heat** generating element while the device is applied to the body surface. The device exhibits steam generating capability for 2 hours or longer and, while applied to the body surface, raises the body surface temperature to a temperature from 38 degrees centigrade to lower than 42 degrees centigrade within one hour from the application. The sheet interposed between the **heat** generating element and the body surface preferably has a function of regulating air feed to the **heat** generating element and a function of transferring the **heat** of the physiology enhancing device to the body surface and preferably has a total thickness of 0.05 to 1.5 mm.

Classifications:

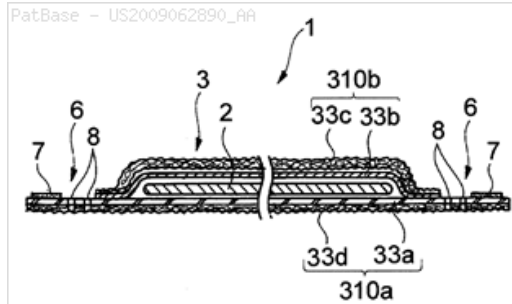
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C09K5/18 (Advanced/Non-invention); A45D44/00 A61F7/00 A61F7/08 A61H33/06 A61H35/00 C09K5/00 (Core/Invention); A41D13/00 (Core/Non-invention)

CPC: A61F7/034 A61F2007/0062 A61F2013/00187 A61F2013/00919 A61H2201/0207 A61H2201/0242 A61H2201/025 A61H2201/0278 A61H2201/0292 A61H2201/10 C09K5/18

European: A61F7/03D2 C09K5/18 K61F13/00J10 K61F13/00L12D K61F7/00D1S K61H201/02F K61H201/02H K61H201/02M12 K61H201/02M18 K61H201/02M4 K61H201/02M6 K61H201/10

US: 607/104 607/104P 607/108 607/114 607/114S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: KAO CORP

Assignee(s): (std): HARA KATSUTOSHI ; IGAKI MICHIHITO ; ISHIKAWA SHUJI ; KAO CORP ; NAGASHIMA YOSHINAO ; SAKAMOTO ICHIRO ; UGAJIN TORU ; YAMASHITA KAZUTAKA

Inventor(s): (std): HARA KATSUTOSHI ; ICHIRO SAKAMOTO ; IGAKI MICHIHITO ; KATSUTOSHI HARA ; KAZUTAKA YAMASHITA ; MICHIHITO IGAKI ; NAGASHIMA YOSHINAO ; ISHIKAWA SHUJI ; SAKAMOTO ICHIRO ; SHUJI ISHIKAWA ; TORU UGAJIN ; UGAJIN TORU ; HAGASHIMA YOSHINAO ; YAMASHITA KAZUTAKA ; YOSHINAO NAGASHIMA

Inventor(s): YAMASHITA KAZUTAKA HAGA GUN ; UGAJIN TORU HAGA GUN ; YAMASHITA KAZUTAKA KAO HAGA GUN CORP ; YAMASHITA KAZUTAKA KAO CORP ; UGAJIN TORU KAO CORP ; SAKAMOTO ICHIRO KAO CORP ; NAGASHIMA YOSHINAO KAO CORP ; ISHIKAWA SHUJI KAO CORP ; IGAKI MICHIHITO KAO CORP ; HARA KATSUTOSHI KAO CORP ; UGAJIN TORU KAO HAGA GUN CORP

Agent(s): HOFFMANN EITL PATENT U RECHTSANWALTE PARTMBB ; HOFFMANN EITL ; MATSUSHIMA YOSHIYUKI ; HATORI OSAMU ; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT PC ; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT 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 GW HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: **HEATING** BLANKET

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

Classifications:

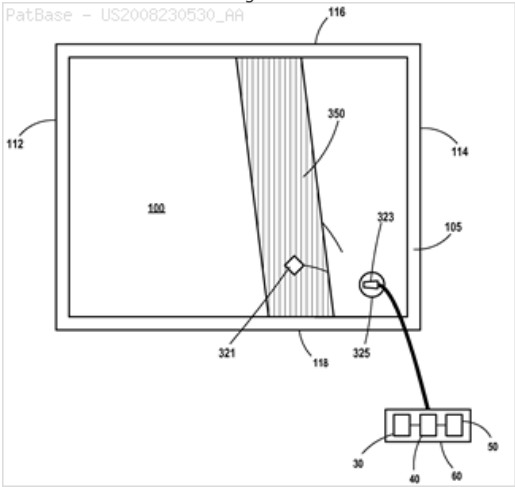
International (ipc 8-9): A47C21/04 A61B18/16 A61F7/00 B23K13/00 B23K20/10 B23K20/22 B29C65/08 B29C65/14 B29C65/48 H05B1/00 H05B1/02 H05B3/00 H05B3/06 H05B3/10 H05B3/12 H05B3/14 H05B3/16 H05B3/28 H05B3/34 H05B3/36 (Advanced/Invention); H05B3/34 (Advanced/Non-invention); H05B1/00 H05B3/10 H05B3/34 (Core/Invention)

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

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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
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Priority:

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US20150842533	20150901	US20150940828	20151113	WO2015US60659	20151113

Probable Assignee: AUGUSTINE TEMPERATURE MANAGEMENT LLC

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

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

Title: Apparatus for abstracting **heat** with a solid--liquid matrix utilizing a kinetic--circulation--kinetic **heat** transfer cycle

Abstract: Source: US2002148249A [EN] Apparatus for abstracting **heat** comprises a container charged with a first liquid and with small auxiliary containers free to circulate in the first liquid. Each of the small auxiliary containers is charged with a second liquid. The freezing point of the first liquid is less than the second liquid such that when the second liquid is frozen, the first liquid is not, is free to circulate, and permits the auxiliary containers to circulate in the first liquid.

Classifications:

International (IPC 8-9): A61F7/00 A61F7/02 A61F7/10 A61F7/12 B29C65/02 B32B3/28 F25D3/00 F25D3/08 F28D15/00 F28D17/00 F28D19/00 F28D20/02 F28D21/00 F28F13/00 F28F21/00 (Advanced/Invention);

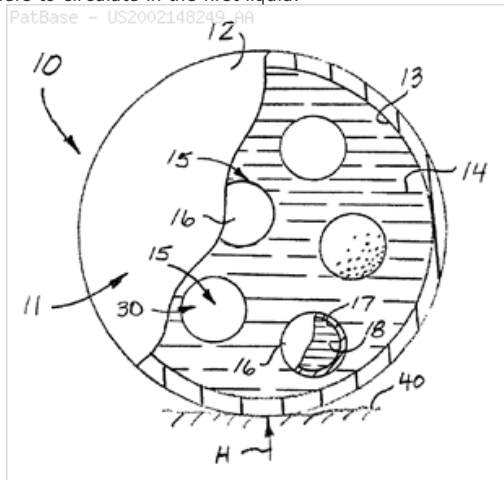
A61F7/00 A61F7/10 B29C51/08 F28F7/00 (Advanced/Non-invention); A61F7/00 A61F7/02 A61F7/12 B29C65/02 B32B3/28 F25D3/00 F28D15/00 F28D17/00 F28D19/00 F28D20/02 (Core/Invention); A61F7/10 B29C51/08 F25D3/08 F28D20/02 F28F7/00 (Core/Non-invention)

International (IPC 1-7): A61F7/00 A61F7/10 F25D3/00 F25D3/08 F28D0/00 F28D11/00 F28D15/00 F28D17/00 F28D19/00 F28D20/02 F28D21/00 F28F11/12 F28F13/00 F28F21/00

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European: A61F13/10H A61F13/10T A61F13/12 A61F7/02 A61F7/04 A61F7/10 B29C65/02 B29C65/50A8 B29C66/534 B32B3/28 F25D3/08 F28D20/02B F28D20/02E K61F13/00J10 K61F13/15A14 K61F7/00A K61F7/00A3N K61F7/00C2 K61F7/00W K61F7/02P K61F7/02S K61F7/02T K61F7/10K L29C33/18 L29C51/08 L29C51/08B L29C65/02 L29C65/48 L29C65/74 L29C66/232 L29C66/534 L29C793/00E L29L22/00G L29L22/02 L29L31/18 R25D303/082 R25D303/0822 R25D303/08222 R25D303/085 R25D331/804 R25D500/02 R28D20/00A4 Y02E60/14D

US: 165/10 165/104.11 165/104.110S 165/104.14 165/104.140S 165/104.17 165/104.19 165/104.190P 165/104.21 165/104.210P 165/104.210S 165/10P 165/10S 165/46 165/46P 607/104 607/104P 607/109 607/109P 607/111 607/111S 607/112 607/113 607/113P 607/114 607/96 62/259.3 62/457.2 62/457.200S 62/530 62/530P



Family:

Publication number	Publication date	Application number	Application date
AT396373 E	20080615	AT20030394097T	20031014
AU2003255053 AA	20040506	AU20030255053	20031017
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CA2444837 AA	20040418	CA20032444837	20031015
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DE60321107 D1	20080703	DE20036021107	20031014
EP1411313 A1	20040421	EP20030394097	20031014
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IN00534KO2003 A	20051118	IN2003KO00534	20031015
IN233931 B	20090424	IN2003KO00534	20031015
MXPA03009397 A1	20050411	MX2003PA09397	20031014
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TWI307402 B	20090311	TW20030127921	20031008
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US2004074629 AA	20040422	US20020274161	20021018
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US2005145372 AA	20050707	US20040751061	20040102
US2006032614 A9	20060216	US20030463055	20030617
US2006070717 AA	20060406	US20050209354	20050823
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US2008275534 AA	20081106	US20080215225	20080626
US2009076574 AA	20090319	US20080284859	20080925
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Priority:

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Probable Assignee: MODULAR THERMAL TECHNOLOGIES INC

Assignee(s): (std): NOEL THOMAS ; NOEL THOMAS P ; NOEL THOMAS PHILIP ; THOMAS P NOEL ; THOMAS NOEL

Assignee(s): THOMAS PHILIP NOEL ; NOEL THOMAS P US ; MODULAR THERMAL TECHNOLOGIES INC ; MODULAR THERMAL TECHNOLOGIES LLC

Inventor(s): (std): NOEL THOMAS P ; THOMAS P NOEL ; NOEL THOMAS PHILIP

Inventor(s): THOMAS PHILIP NOEL ; NOEL THOMAS

Agent(s): PATENT ATTORNEY SERVICES; SMART AND BIGGAR; MCCARTHY DENIS ALEXIS ET AL; TOD R NISSLE; NISSLE PC TOD R; TOD R; TOD R NISSLE PC

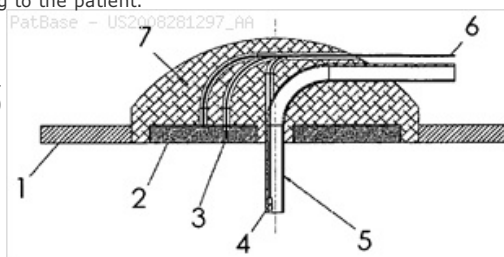
Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Title: METHOD AND DEVICE FOR DRUG DELIVERY

Abstract: Source: US2008281297A [EN] A method and a device for a delivery of a chemical substance to the body of the patient are provided. The device includes an infusion catheter configured to be inserted into a tissue, a catheter securing element configured to be adhered to the skin of the patient and further configured to secure the infusion catheter to the skin, a drug delivery pump configured to infuse a drug into the infusion catheter for delivery to a drug infused region on the body of the patient, and a treatment element configured to apply a treatment to the drug infused region to improve pharmacodynamics of the drug during a period of delivery of the drug to the patient.

Classifications:

International (IPC 8-9): A61B18/08 A61B18/14 A61B5/00 A61F7/00 A61F7/08 A61F7/12 A61H1/00 A61H23/00 A61H9/00 A61M A61M1/36 A61M25/01 A61M25/06 A61M31/00 A61M37/00 A61M39/02 A61M5/14 A61M5/142 A61M5/158 A61M5/168 A61M5/172 A61M5/178 A61M5/20 A61M5/24 A61M5/30 A61M5/31 A61M5/32 A61M5/44 A61M5/50 A61N1/00 A61N1/30 A61N1/40 A61N2/00 A61N5/00 A61N5/06 A61N7/00 (Advanced/Invention); A61B18/08 A61B18/14 A61B18/18 A61B18/20 A61F7/00 A61M39/10 A61M5/14 A61M5/168 A61M5/30 A61M5/42 A61N1/30 A61N5/06 A61N7/00 (Advanced/Non-invention); A61B5/00 A61F7/00 A61F7/08 A61H1/00 A61M1/36 A61M25/06 A61M37/00 A61M5/14 A61M5/142 A61M5/168 A61M5/178 A61M5/20 A61M5/24 A61M5/31 A61N1/00 A61N1/30 A61N2/00 A61N5/00 A61N5/06 A61N7/00 (Core/Invention); A61M (Subclass/Invention)



CPC: A61B5/1495 A61B5/14532 A61B5/14865 A61B5/1491 A61M5/16836 A61M2005/1587 A61H23/00 A61H9/0057 A61N5/062 A61M37/0092 A61N1/406 A61N2/002 A61F7/10 A61M5/31 A61M5/2448 A61M2205/057 A61M2205/054 A61B18/08 A61B18/14 A61B18/1477 A61B18/1492 A61B18/18 A61B18/20 A61B2018/1425 A61F7/007 A61M5/1413 A61M5/158 A61M5/422 A61M2005/1581 A61M2005/1726 A61M2039/1022 A61M2205/05 A61M2205/051 A61M2205/052 A61M2205/058 A61M2205/8206 A61N7/00 A61N2005/0645 A61M5/19 A61M5/1723 A61M5/14244 A61M5/16831 A61M5/20 A61N1/30 A61M5/142 A61M5/168 A61M5/172 A61M25/01

European: A61B5/145G A61B5/1491 A61B5/1495 A61M5/142P A61M5/158 A61M5/168D A61M5/172B A61M5/20 K61B18/08 K61B18/14 K61B18/14C12 K61B18/14N K61B18/14V K61B18/18 K61B18/20 K61B5/1486B K61F7/00E K61F7/10 K61M205/05 K61M205/05B K61M205/05B2 K61M205/05S K61M205/82B K61M39/10E K61M5/14M K61M5/158A K61M5/158K K61M5/168D2 K61M5/172B2 K61M5/42B K61N1/30 K61N2/00C K61N5/06S6W K61N7/00

US: 1/1 600/309 600/309S 600/365 600/365P 600/9 600/9P 601/46 601/47 601/7 604/113 604/113S 604/114 604/114S 604/131 604/131S 604/151 604/151S 604/174 604/180 604/180S 604/187 604/187S 604/20 604/20P 604/20S 604/21 604/21P 604/21S 604/22 604/22S 604/24 604/24S 604/257 604/257S 604/500 604/504 604/504S 604/506 604/506S 604/508 604/508S 604/513 604/65 604/65S 604/66 604/66S 604/67 604/67S 604/890.1 604/890.100P 607/113 607/113S

Family:

Publication number	Publication date	Application number	Application date
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MX2009009999 A1	20100317	MX20090009999	20080319

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RU2009135624 A	20110427	RU20090135624	20080319
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RU2618952 C2	20170511	RU20120151965	20080319
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US9220837 BB	20151229	US20070821230	20070621
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WO08114220 A2	20080925	WO2008IB51046	20080319
WO08114223 A1	20080925	WO2008IB51049	20080319
WO08114224 A2	20080925	WO2008IB51050	20080319
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Priority:

US19960016571P 19960503	US20070895518P 20070319	US20070895519P 20070319
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Probable Assignee: INSULINE MEDICAL LTD

Assignee(s): (std): BENNY PESACH ; BITTON GABRIEL ; GABRIEL BITTON ; INS JULIN MEDIKAL LTD ; INSULINE MEDICAL LTD ; NAGAR RON ; PESACH BENNY ; WEISS RAM ; RAM WEISS ; RON NAGAR

Inventor(s): (std): BITTON GABRIEL ; WEISS RAM ; VEJSS REHM ; RON NAGAR ; RAM WEISS ; PESACH BENNY ; PESACH BENNI ; NAGAR RON ; GABRIEL BITTON ; BITTON GABRIEL ; BENNY PESACH

Inventor(s): BITTON GABRIEL'

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; WINTER BRANDL FUERNISS HUEBNER ROESS KAISER POLTE PARTNERSCHAFT MBB; MESSULAM ALEC MOSES; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO LLP; DE ELZABURU ALBERTO; OZ SOLOMON IP SERVICES; DR D GRAESER LTD; KITA AOYAMA INT PATENT BUREAU; BRIAN P HOPKINS MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC; COOLEY LLP; BRIAN P

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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

Title: FOOT WARMING **HEATING** ELEMENT AND METHOD OF MANUFACTURING FOOT WARMING **HEATING** ELEMENT

Abstract: Source: US2004149732A [EN] There are provided such a **heat**-generating body for warming foot in that a **heat**-generating composition is used that can retain the shape thereof irrespective of the pressure inside the container bag upon using by application to a foot, a footgear or a sock, the **heat**-generating composition is prevented from migration by fixing a part or a whole thereof inside the packing material, and it is well fit to the shape of the foot upon application to warm the prescribed part effectively for a long period of time, and such a process for producing a **heat**-generating body for warming foot in that the **heat** generation reaction of the **heat**-generating composition is suppressed to prevent loss due to the **heat**-generating reaction during production, quality deterioration of the **heat**-generating composition, and various problems associated with solidification of the **heat**-generating composition, a transferring and laminating method, such as printing, coating, such as mold-through forming, gravure printing, is employed, the non-viscous **heat**-generating composition can be uniformly distributed, the accuracy of lamination is further improved to attain stabilization in quality of the product, and **heat**-generating bodies for warming foot of an ultrathin form to a thick shape can be easily produced at low cost. A **heat**-generating body for warming foot of the invention is characterized in that it contains a **heat**-generating formed article causing a **heat**-generating reaction in the presence of air and having a shape retaining degree of 70 or more charged in a container bag constituted with a base material, a covering material and the like, and the container bag has air permeability at least at a part thereof.

Classifications:

International (IPC 8-9): A61F7/03 A61F7/08 B32B37/00 B32B5/22

C09K5/16 H05B3/34 H05B3/54 (Advanced/Invention);

A61F7/02 C09K5/16 (Advanced/Non-invention);

A61F7/02 A61F7/08 B32B37/00 B32B5/22 C09K5/00 H05B3/34

H05B3/54 (Core/Invention);

C09K5/00 (Core/Non-invention)

International (IPC 1-7): A61F7/03 A61F7/08 C09K5/16 H05B3/34

H05B3/54

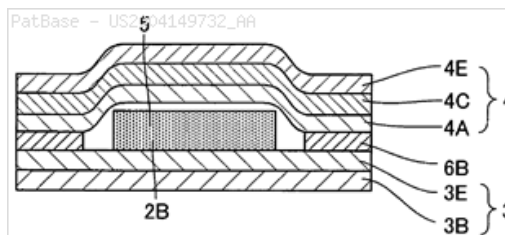
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A61F2007/0098 A61F2007/026 A61N2005/066 Y10T428/249994

European: A61F7/03D2 A61F7/04C4B K61F7/00A5H K61F7/00W K61F7/02L9 K61N5/06W2F

US: 126/263.01 126/263.02 156/145 156/250 219/528 428/195.1 428/206 428/208 428/320.2 428/343 428/354



Family:

Publication number	Publication date	Application number	Application date
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JP4093348 B2	20080604	JP20020183685	20020520
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TW20040403048 A	20040301	TW20030109771	20030425
TWI289446 B	20071111	TW20030109771	20030425
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WO03096942 A1	20031127	WO2003JP04653	20030411

Priority:

JP20020183685 20020520 WO2003JP04653 20030411

Probable Assignee: MYCOAL CO LTD

Assignee(s): (std): AIDA MICHIO ; DODO TOSHIHIRO ; KIMURA HISAO ; MAIKOORU KK ; MYCOAL WARMERS CO LTD ; USUI KAORU ; NAKAMURA MASATO ; SAKAMAKI YOSHIKAZU ; MYCOAL CO LTD

Assignee(s): MYCOAL WARMERS CO ; MYCOAL CO

Inventor(s): (std): HISAO AIDA MICHIO DODO TOSHIHI ; HISAO KIMURA ; MICHIO AIDA ; MOMO HISAHIRO ; TOSHIHIRO DODO ; SAKAMAKI YOSHIKAZU ; NAKAMURA MASATO ; KIMURA HISAO ; DODO TOSHIHIRO ; AIDA MICHIO ; USUI KAORU

Inventor(s): SAKAMAKI YOSHIKAZU AND ; AIDA MICHIO DODO TOSHIHIRO KIMURA HISAO

Agent(s): OGILVY RENAULT LLP SENCRL SRL; EDWARDS ANGELL PALMER AND DODGE LLP

Designated states: AT BE BG CA CH CN CY CZ DE DK EE ES FI FR GB GR HU IE IT KR LI LU MC NL PT RO SE SI SK TR US

Title: SYSTEMS AND METHODS FOR CREATING AN EFFECT USING MICROWAVE ENERGY TO SPECIFIED TISSUE

Abstract: Source: US2008269851A [EN] Systems, methods and devices for creating an effect using microwave energy to specified tissue are disclosed. A system for the application of microwave energy to a tissue includes a signal generator adapted to generate a microwave signal having predetermined characteristics, an applicator connected to the generator and adapted to apply microwave energy to tissue. The applicator includes one or more microwave antennas and a tissue interface, a vacuum source connected to the tissue interface, a cooling source connected to the tissue interface, and a controller adapted to control the signal generator, the vacuum source, and the coolant source. The tissue includes a first layer and a second layer, the second layer below the first layer. The controller is configured so that the system delivers energy such that a peak power loss density profile is created in the second layer.

Classifications:

International (ipc 8-9): A61B17/00 A61B18/00 A61B18/02 A61B18/04 A61B18/06 A61B18/08 A61B18/14 A61B18/18 A61B18/20 A61B19/00 A61B34/10 A61B5/00 A61B5/04 A61B5/05 A61F2/00 A61F7/00 A61H1/00 A61H7/00 A61M1/00 A61N1/38 A61N1/40 A61N5/02 A61N5/04 A61N5/06 A61N7/00 A61N7/02 (Advanced/Invention); A61B17/00 A61B18/00 A61B18/02 A61B18/04 A61B18/14 A61B18/18 A61B18/20 A61B19/00 A61F2/00 A61F7/00 A61N1/40 A61N5/02 A61N5/04 A61N5/06 A61N7/00 A61N7/02 (Advanced/Non-invention); A61B17/00 A61B18/00 A61B18/04 A61B18/18 A61B5/00 A61B5/04 A61B5/05 A61H1/00 A61H7/00 A61M1/00 A61N1/38 A61N5/02 (Core/Invention); A61B A61N (Subclass/Invention)

International (ipc 1-7): A61N5/02

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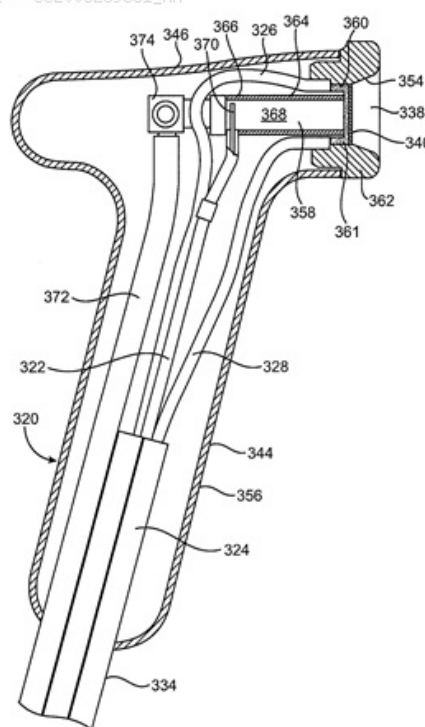
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Locarno class: 28/03

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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 ZA ZM ZW