

Search history

Search PN=(WO/2016/143997) (Results 1)

1:

Search [SP]: wound treatment method and apparatus a wound treatment method capable of promoting the treatment of a wound is provided. the
2: wound treatment method comprising: placing a foam dressing at a wound site sealing the wound site by attaching a film dressing to the skin adjacent to the wound site lowering pressure in a sealed space, which is formed between the film dressing and the wound site, to a target negative pressure level by supplying negative pressure generated by a negative pressure generation unit to the sealed space maintaining the pressure in the sealed space at the target negative pressure level for a first setting period stopping the supply of the negative pressure for a second setting period, which follows the first setting period and injecting a medication into the wound site within the second setting period. (Results 57)

Search 2 and device (Results 48)

3:

Search 3 and pressure (Results 46)

4:

Search 4 and treatment (Results 44)

5:

Search 5 and reduced (Results 39)

6:

Title: **DEVICE** FOR AND METHOD OF CONTROLLED ENZYMATIC REMOVAL AND RETRIEVAL OF TISSUE

Abstract: Methods, **devices** and pharmaceutical compositions for the controlled, non-surgical removal and retrieval of cells from a plurality of skin lesions and tissue surfaces are disclosed. A synergistic effect of proteolytic digestion of the intracellular matrix and "stripping" flow is achieved by treating a defined area with a controlled, continuous stream of proteolytic enzyme solution, causing gentle but effective tissue erosion. Isolated cells from the skin lesion and/or tissue surface may be collected from the protease solution stream for histological analysis and/or cell culture, affording a method of "enzymatic biopsy". The protease solution may be supplemented with anesthetics, coagulants, anticoagulants and antibiotics to decrease the discomfort, erythema, bleeding, risk of infection and scarring traditionally associated with surgical **treatment** of skin lesions. Furthermore, in the present invention delivery of precise levels of catalytic activity is ensured by controlled activation of stable, inactivated enzyme stock solutions and powders shortly prior to application.

Classifications:

International (IPC 8-9): A61B10/00 A61B10/02 A61B17/00 A61B17/54 A61K38/48 A61K38/49 A61L15/16 A61L31/00 A61M1/00 A61M27/00 A61M3/00 A61M3/02 A61M35/00 A61M37/00 A61N1/30 C12M1/00 C12N5/071 (Advanced/Invention); A61B17/00 A61B17/22 A61B17/34 (Advanced/Non-invention); A61B10/00 A61B10/02 A61B17/54 A61K38/43 A61M27/00 A61M3/00 A61M35/00 C12N5/071 (Core/Invention); A61B17/00 A61B17/22 (Core/Non-invention); A61K A61M (Subclass/Invention)

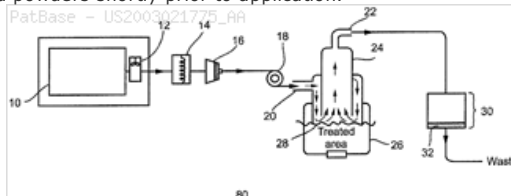
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European: A61B10/00C A61B10/00E A61B10/02 A61B17/54P A61K38/48 A61K38/48K1 A61K38/48K36 A61K38/48K7 A61K38/48L A61K38/48M A61K38/48N A61K38/49 A61M1/00T6 A61M27/00 A61M3/02D8B A61M3/02H2 A61M3/02H4 A61M35/00 C12M3/08 C12M45/09 C12N5/06B9K K61B17/00R2R K61B17/00R2T K61B17/00R2W K61B17/22S K61B17/34D1P K61M3/02D4 M12N509/00

US: 1/1 424/94.63 424/94.630P 604/1 604/19 604/1S 604/290 604/290P 604/305 604/305S 604/39 604/39P 604/93.01 604/93.010S



Family:

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AT372795 E	20070915	AT20020749263T	20020716
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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: APPARATUS FOR ASPIRATING, IRRIGATING AND CLEANSING WOUNDS

Abstract: An apparatus for cleansing wounds in which irrigant fluid from a reservoir (12) connected to a conformable wound dressing (3) and wound exudate from the dressing are recirculated by a **device** (18) for moving fluid through a flow path which passes through the dressing and a means (17) for fluid cleansing and back to the dressing. The cleansing means (which may be a single-phase, e.g. microfiltration, system or a two-phase, e.g. dialytic system) removes materials deleterious to wound healing, and the cleansed fluid, still containing materials that are beneficial in promoting wound healing, is returned to the wound bed. The dressing and a method of **treatment** using the apparatus.

Classifications:

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A61M1/00 A61M27/00 A61M3/00 A61M3/02

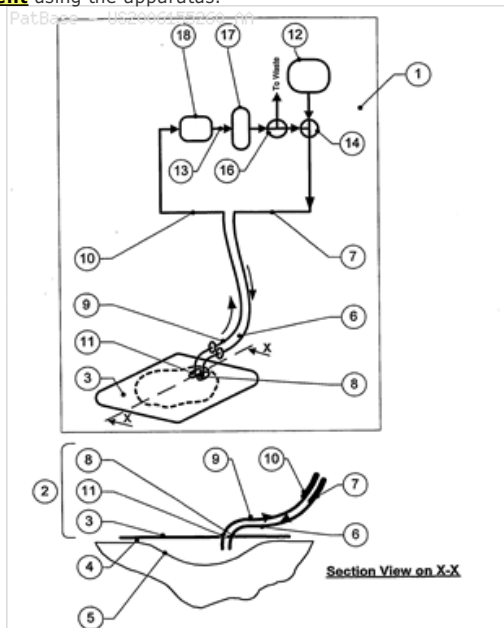
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A61M3/00 (Core/Invention)

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US: 1/1 604/27 604/28 604/290 604/290P 604/30 604/304 604/304S
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604/543P

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Priority:

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Assignee(s): SMITH AND NEPHEW PUBLIC LIMITED COMPANY ; SMITH AND NEPHEW PLC

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Agent(s): DAVIES COLLISON CAVE; GRIFFITH HACK; BORDEN LADNER GERVAIS LLP; MURGITROYD AND CO; CONNORS MARTIN L H; ADCOCKS CLAIR; BOAKES JASON CARRINGTON; SMITH AND NEPHEW; CHIEF PATENT COUNSEL SMITH AND NEPHEW INC; KNOBBE MARTENS OLSON AND BEAR LLP

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

Title: ELECTRICALLY INSULATED SURGICAL PROBING TOOL

Abstract: A surgical tool for probing bone tissue includes an elongate member coupled to a handle assembly. The handle assembly is electrically coupled to a electrical signal source. The surgical tool includes an electrically conductive portion in communication with an un-insulated distal end of the elongate member, and insulated portion extending from the tip along the elongate member and handle assembly.

Classifications:

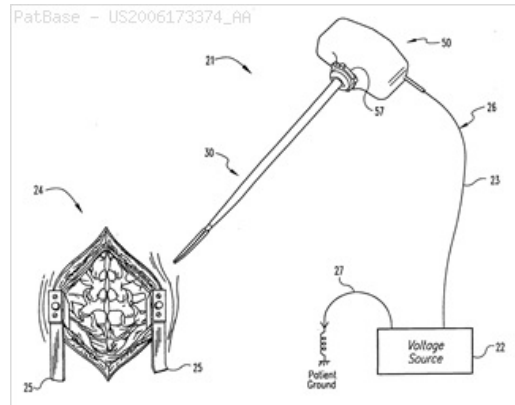
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US: 424/445 424/445P 424/94.64 424/94.640S 514/44 514/44.00RS 514/44R 600/546 600/546S 600/547 600/547P 602/42 602/42S 604/19 604/289 604/289S 604/290 604/290P 604/304 604/305 604/305S 604/313 604/313P 604/313S 604/315 604/315P 604/317 604/319 604/35 604/48 604/500 604/500S 604/540 604/543 604/543S



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Priority:

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Probable Assignee: SMITH AND NEPHEW PLC

Assignee(s): (std): BLOTT PATRICK LEWIS ; FELTON SHARONDA ; FELTON SHARONDA T ; GREEN CLARE ; GREENER BRYAN ; HARTWELL EDWARD YERBURY ; LEE WEBB JULIAN ; MARTIN ROBIN PAUL ; NICOLINI DEREK ; WALKER TINA MICHELLE ; SMITH AND NEPHEW ; NEUBARDT SETH L ; SDGI HOLDINGS INC ; WARSAW ORTHOPEDIC INC

Assignee(s): SMITH AND NEPHEW PUBLIC LIMITED COMPANY ; WARSAW ORTHOPEDIC INC WARSAW ; SMITH AND NEPHEW PUBLIC CO LTD ; SMITH AND NEPHEW PLC15 ADAM STREETWC2N 6LALONDONGB ; SMITH AND NEPHEW PLC

Inventor(s): (std): BLOTT PATRICK LEWIS ; FELTON SHARONDA ; FELTON SHARONDA T ; GREEN CLARE ; GREENER BRYAN ; HARTWELL EDWARD YERBURY ; LEE WEBB JULIAN ; CLAR BLOTT PATRICK LEWIS GREEN ; MARTIN ROBIN PAUL ; NEUBARDT SETH L ; NICOLINI DEREK ; YERBURY HARTWELL EDWARD ; WALKER TINA MICHELLE ; PAUL MARTIN ROBIN ; MARTIN ROBIN P ; LEWIS BLOTT PATRICK ; JULIAN LEE WEBB ; HARTWELL EDWARD Y ; HARTWELL EDWARD ; EDWARD HARTWELL ; DEREK NICOLINI ; CLARE GREEN ; BRYAN GREENER ; BLOTT PATRICK L

Inventor(s): BLOTT PATRICK ; FELTON SHARONDA T CORDOVA ; NEUBARDT SETH L WHITE PLAINS ; NICOLINI DEREK SOUTH CAVE ; NICOLINI DEREKGB ; PATRICK LEWIS BLOTT ; ROBIN PAUL MARTIN ; SETH L NEUBARDT ; SHARONDA T FELTON ; NEUBARDT SETH ; EDWARD YERBURY HARTWELL ; LEE WEBB JULIAN COPMANTHORPE ; LEE WEBB JULIANGB ; MARTIN ROBIN ; HARTWELL EDWARD YERBURY BROUGH ; HARTWELL EDWARD YERBURYGB ; BLOTT PATRICK LEWIS BARMBY MOOR ; BLOTT PATRICK LEWIS GREENER BRYAN HARTWELL ; BLOTT PATRICK LEWIS GREENER BRYAN HARTWELL EDWARDY ; BLOTT PATRICK LEWIS GREENER BRYAN HARTWELL EDWARDYERBURY LEE WEBB JULIAN NICOLINI DEREK GREEN CLARE MARTIN ROBIN PAUL ; BLOTT PATRICK LEWISGB

Agent(s): GRIFFITH HACK; FB RICE PTY LTD; FB RICE; DAVIES COLLISON CAVE; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; BORDEN LADNER GERVAIS LLP; SMART AND BIGGAR; MURGITROYD AND CO; WITTMANN HERNANDEZ PATENTANWAELTE PARTNERSCHAFT MBB; CONNORS MARTIN LH; HUTCHINSON GLENN STANLEY; DE ELZABURU ALBERTO; ONO SHINJIRO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; KRIEG DEVAULT LLP; STITES AND HARBISON PLLC; KNOBBE MARTENS OLSON AND BEAR LLP; MEDTRONIC,ATTN: NOREEN JOHNSON - IP LEGAL DEPARTMENT; MEDTRONIC ATTN NOREEN JOHNSON IP LEGAL DEPARTMENT

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 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: WOUND CLEANSING APPARATUS IN-SITU

Abstract: An apparatus for cleansing wounds, in which irrigant fluid from a reservoir connected to a conformable wound dressing and wound exudate from the dressing are recirculated by a **device** for moving fluid through a flow path which passes through the dressing and a means for fluid cleansing and back to the dressing, and in which the cleansing means sits in the wound in use. The cleansing means (which may be a single-phase, e.g. micro-filtration, system or a two-phase, e.g. dialytic system) removes materials deleterious to wound healing, and the cleansed fluid, still containing materials that are beneficial in promoting wound healing, is returned to the wound bed. Also, the dressing and a method of **treatment** using the apparatus.

Classifications:

International (IPC 8-9): A61F13/00 A61F13/02 A61F15/00 A61F5/00 A61H33/00 A61L15/00 A61M1/00 A61M27/00 A61M3/00 A61M3/02 A61M35/00 A61M37/00 B23P17/04 (Advanced/Invention); A61F13/00 A61M1/00 A61M27/00 A61M3/00 A61M3/02 A61M35/00 (Advanced/Non-invention); A61F13/00 A61F13/02 A61H33/00 A61M1/00 A61M27/00 A61M3/00 (Core/Invention); A61F13/00 A61M35/00 (Core/Non-invention); A61F A61M (Subclass/Invention)

International (IPC 1-7): A61F13/00 A61M1/00 A61M27/00 A61M3/02

CPC: A61F13/0216 A61F13/0259 A61F2013/00357 A61M1/0088

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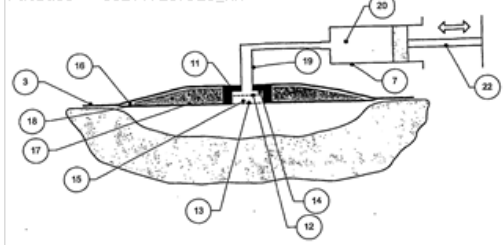
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European: A61M1/00K A61M1/00T2 A61M1/00T6 A61M3/02C K61M1/00H4 K61M1/00K2 K61M1/00P2 K61M1/00P4

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US: 1/1 29/428 29/428S 602/313 602/317 602/41 604/304 604/304P 604/307 604/307S 604/313 604/313P 604/317 604/319 604/319P 604/319S

PatBase - US2007167926_AA



Family:

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Priority:

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CA20042821842	20041028	EP20040791592	20041028	EP20100010689	20041028
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CA20172821842	20170824				

Probable Assignee: SMITH AND NEPHEW PLC

Assignee(s): (std): BLOTT PATRICK ; BLOTT PATRICK L ; BLOTT PATRICK LEWIS ; GREENER BRYAN ; HARTWELL EDWARD ; HARTWELL EDWARD Y ; HARTWELL EDWARD YERBURY ; LEE WEBB JULIAN ; NICOLINI DEREK ; SMITH AND NEPHEW ; SMITH AND AMP NEPHEW PLC ; SMITH AND NEPHEW PCL ; WALKER TINA MICHELLE

Assignee(s): SMITH AND NEPHEW PUBLIC CO LTD ; SMITH AND NEPHEW PUBLIC LIMITED COMPANY ; SMITH AND NEPHEW PLC

Inventor(s): (std): BLOTT PATRICK LEWIS ; BRYAN GREENER ; DEREK BLOTT PATRICK LEWIS GREE ; DEREK NICOLINI ; GREENER BRYAN ; HARTWELL EDWARD YERBURY ; JULIAN LEE WEBB ; LEE WEBB JULIAN ; LEWIS BLOTT PATRICK ; MICHELLE TINA ; NICOLINI DEREK ; YERBURY HARTWELL EDWARD ; WALKER TINA MICHELLE ; WALKER TINA ; HARTWELL EDWARD Y ; HARTWELL EDWARD ; BLOTT PATRICK L ; BLOTT PATRICK

Inventor(s): NICOLINI DEREK SOUTH CAVEBROUGH ; PATRICK LEWIS BLOTT ; LEE WEBB JULIAN COPMANTHORPE ; LEE WEBB JULIAN COPMANTHORPEYORK ; HARTWELL EDWARD YERBURY BROUGH ; GREENER BRYAN ELVINGTON ; EDWARD YERBURY HARTWELL ; BLOTT PATRICK LEWIS BARMBY MOOR ; BLOTT PATRICK LEWIS BARMBY MOORYORK ; BLOTT PATRICK LEWIS GREENER BRYAN HARTWELL ; BLOTT PATRICK LEWIS GREENER BRYAN HARTWELL EDWARDY ; BLOTT PATRICK LEWIS GREENER BRYAN HARTWELL EDWARDYERBURY LEE WEBB JULIAN NICOLINI DEREK

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; MCFADDEN FINCHAM INC; MURGITROYD AND CO; CONNORS MARTIN LH; SMITH AND NEPHEW; BOAKES JASON CARRINGTON; CURRAN CLAIR; DE ELZABURU ALBERTO; STITES AND HARBISON PLLC; KNOBBE MARTENS OLSON AND BEAR 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 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: **DEVICE** AND METHOD FOR WOUND THERAPY

Abstract: A wound therapy **device** is disclosed. The wound therapy **device** may include a housing for covering at least a portion of a wound and for sealing to a body surface of a patient. The housing may also include a liquid-retention chamber for retaining liquid therein and a vacuum connection for coupling to a vacuum source. The vacuum connection may be in gaseous communication with the liquid-retention chamber. The vacuum connection may be separated from the liquid-retention chamber by a liquid barrier.

Classifications:

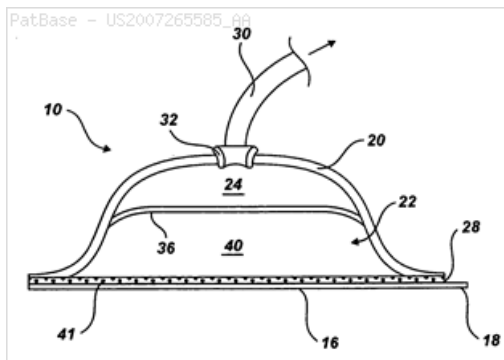
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International (ipc 1-7): A61M1/00 A61M27/00

CPC: A61M1/0015 A61M2205/7536 A61M1/0025 A61M27/00 A61M2205/15 A61M1/0049 A61M1/0088 A61M1/0052 A61M1/0096 A61M1/0035 A61F13/0216 A61F13/0206 A61F13/0213 A61F13/0243 A61L15/60 A61L15/425 A61L15/28 A61L15/58 A61M2205/7518 A61M2205/7509 A61M2205/13 A61M1/009 A61M1/0031

European: A61M1/00H12 A61M1/00T6 K61M1/00A7 K61M1/00H1 K61M1/00H12 K61M1/00H2 K61M1/00T6P K61M205/75D K61M27/00

US: 1/1 60/313 601/6 601/6S 602/42 602/43 602/46 604/304 604/305 604/306 604/307 604/313 604/313P 604/315 604/316 604/317 604/319 604/319P 604/541 604/543



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Priority:

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US20170713479	20170922				

Probable Assignee: KALYPTO MEDICAL INC

Assignee(s): (std): DAYTON TROY C ; GORDON JOHN H ; GORDON JOHN HOWARD ; HEISER JEREMY ; JOSHI ASHOK V ; IASIS MEDICAL LLC ; KALYPTO MEDICAL INC ; KALYPTO MEDICALS INC ; BHAVARAJU SAI

Assignee(s): CERAMATEC INC ; KALYPTO MEDICAL INC MENDOTA HEIGHTS ; SMITH AND NEPHEW INC ; IASIS MEDICAL INC

Inventor(s): (std): BHAVARAJU SAI ; DAYTON TROY ; DAYTON TROY C ; GORDON JOHN H ; GORDON JOHN HOWARD ; HEISER JEREMY ; JOSHI ASHOK ; JOSHI ASHOK V

Inventor(s): JOSHI ASHOK V SALT LAKE CITY ; TROY C DAYTON ; SAI BHAVARAJU ; JOHN HOWARD GORDON ; JEREMY HEISER ; ASHOK V JOSHI ; GORDON JOHN ; ERFINDER WIRD SPAETER GENANNT WERDEN ; HEISER JEREMY SALT LAKE CITY ; GORDON JOHN HOWARD SALT LAKE CITY ; DAYTON TROY C SYRACUSE ; BHAVARAJU SAI WEST JORDAN

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GRIFFITH HACK; MCCARTHY TETRAULT LLP; OSTERTAG AND PARTNER PATENTANWALTE MBB; SCHWANHAEUSSER GERNOT ET AL; SCHWANHAEUSSER GERNOT; DE PABLOS JULIO; FACTOR AND LAKE LTD; FACTOR AND LAKE; FACTOR INTELLECTUAL PROPERTY LAW GROUP LTD; KNOBBE MARTENS OLSON AND BEAR LLP

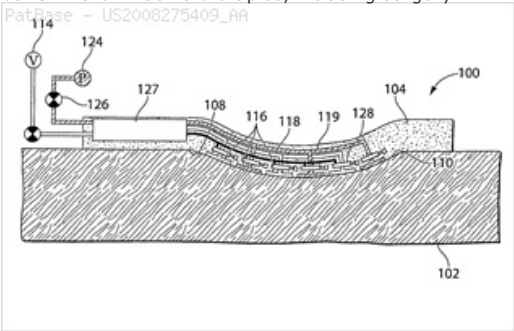
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Title: WOUND HEALING **DEVICE**

Abstract: Methods and **devices** transmit micromechanical forces locally on the millimeter to micron scale for promoting wound healing. Micromechanical forces can selectively be applied directly to tissue, in some embodiments, by using microchambers fluidically connected to microchannels. Each chamber, or in some cases, group of chambers, may be associated with a valve to control vacuum **pressure**, positive **pressure**, liquid delivery, and/or liquid removal from each chamber or group of chambers. Application of embodiments of the invention may shorten wound-healing time, **reduce** costs of therapy, enable restoration of functional tissue, and **reduce** the need for more invasive therapies, including surgery.

Classifications:

International (IPC 8-9): A61B17/00 A61F13/00 A61F2/02 A61F2/18 A61F2/82 A61K9/70 A61L27/00 A61M25/02 A61M27/00 A61M35/00 (Advanced/Invention); A61B17/00 A61F2/02 A61F2/18 A61F2/82 A61K9/70 A61L27/00 A61M25/02 A61M27/00 A61M35/00 (Core/Invention)
CPC: A61F13/00068 A61M1/0088 A61F13/0203
European: A61F13/02B A61M1/00T6
US: 424/425 424/425S 604/304 604/304S 604/305 604/305P 604/306 604/307 604/308 604/311 604/313 604/315 604/317 604/540 604/543



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20070927069P 20070501 US20080112527 20080430 WO2008US05560 20080430

Probable Assignee: BRIGHAM AND WOMEN S HOSPITAL INC

Assignee(s): (std): KANE BARTHOLOMEW J ; ORGILL DENNIS P ; BRIGHAM AND WOMENS HOSPITAL

Assignee(s): BRIGHAM AND WOMEN'S HOSPITAL INC ; BRIGHAM AND WOMEN S HOSPITAL INC ; THE BRIGHAM AND WOMEN S HOSPITAL INC ; US GOVERNMENT SECRETARY FOR ARMY

Inventor(s): (std): KANE BARTHOLOMEW J ; ORGILL DENNIS P

Inventor(s): BARTHOLOMEW J KANE ; DENNIS P ORGILL

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; WAINWRIGHT JANE HELEN; WOLF GREENFIELD AND SACKS PC; LOCKHART HELEN C ET AL

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

Abstract: Apparatus for the application of topical negative **pressure** therapy to a wound site is described, the apparatus comprising: a wound contacting element for retaining wound exudate fluid therein; a wound covering element that provides a substantially airtight seal over the wound contacting element and wound site; a vacuum connection tube connecting a wound cavity to a vacuum source; and a vacuum source connected to a distal end of the vacuum connection tube.

Classifications:

International (IPC 8-9): A61B17/00 A61F13/00 A61F13/02 A61F13/15 A61L15/16 A61L15/44 A61M1/00 A61M27/00

A61M39/24 (Advanced/Invention);

A61F13/00 A61M1/00 (Advanced/Non-invention);

A61F13/00 A61F13/02 A61M1/00 (Core/Invention);

A61F13/00 A61M1/00 (Core/Non-invention)

CPC: A61F2013/0028 A61M1/00 A61F13/00029 A61F13/00046

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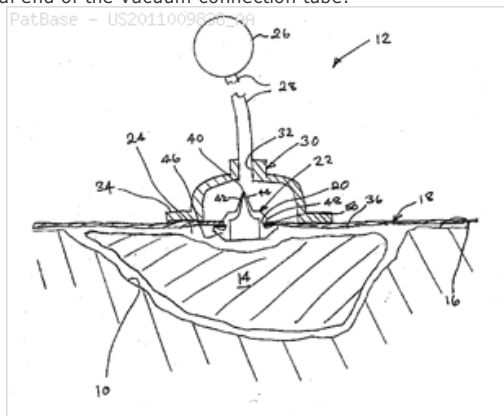
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A61F13/0216 A61F13/0206

European: A61F13/02 A61M1/00T6 K61F13/00L12H K61F13/00L1T

K61M1/00H12 K61M1/00T6P K61M205/75D K61M39/24

US: 1/1 604/313 604/317 604/319 604/319P 604/543



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: SMITH AND NEPHEW PLC

Assignee(s): (std): SMITH AND NEPHEW ; GREENER BRYAN ; HARTWELL EDWARD YERBURY

Assignee(s): SMITH AND NEPHEW PLC ; SMITH AND NEPHEW PUBLIC LIMITED COMPANY ; SMITH AND NEPHEW PUBLIC CO LTD ; TJ SMITH AND NEPHEW LTD

Inventor(s): (std): BRYAN GREENER ; GREENER BRYAN ; HARTWELL EDWARD YERBURY ; YERBURY HARTWELL EDWARD

Inventor(s): EDWARD YERBURY HARTWELL

Agent(s): DAVIES COLLISON CAVE; GRIFFITH HACK; BORDEN LADNER GERVAIS LLP; ADCOCKS CLAIR; SMITH AND NEPHEW; KNOBBE MARTENS OLSON AND BEAR LLP; HARRISON GODDARD FOOTE

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

Title: DRESSING AND METHOD FOR APPLYING **REDUCED PRESSURE** TO AND COLLECTING AND STORING FLUID FROM A TISSUE SITE

Abstract: A **reduced pressure treatment** system includes a **reduced pressure** source and a **reduced pressure** dressing. The dressing includes an interface layer adapted to be positioned at a tissue site and an absorbent layer in fluid communication with the interface layer to absorb liquid from at least one of the interface layer and the tissue site. A diverter layer is positioned adjacent the absorbent layer, and the diverter layer includes a plurality of apertures in fluid communication with the absorbent layer to distribute a **reduced pressure** to the absorbent layer. A cover is positioned over the diverter layer to maintain the **reduced pressure** at the tissue site.

Classifications:

International (IPC 8-9): A61F A61F13/00 A61F13/02 A61F13/15

A61F5/34 A61M A61M1/00 A61M27/00 F04B43/04

F04B43/06 (Advanced/Invention);

A61F13/02 A61M1/00 A61M27/00 F04B43/04

F04B43/06 (Advanced/Non-invention);

A61F13/00 A61F13/02 A61F5/01 A61M1/00 (Core/Invention);

A61F13/02 A61M1/00 A61M27/00 (Core/Non-invention);

A61F A61M (Subclass/Invention)

CPC: A61M1/0031 A61F2013/00174 A61F2013/00412

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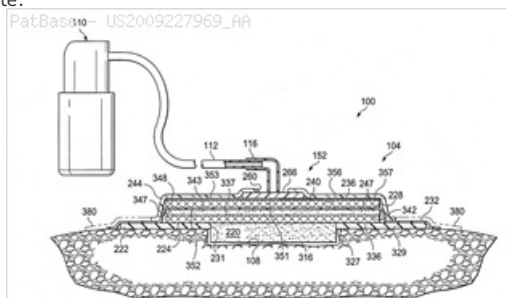
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European: A61F13/02 A61M1/00T6 K61M1/00H12D K61M1/00T6P

K61M205/75D

US: 1/1 128/118.1 128/118.100S 602/43 602/43P 602/48 602/48P 604/304 604/313 604/313P 604/313S 604/315 604/319 604/540 604/543



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: KCI LICENSING INC

Assignee(s): (std):	TOUT AIDAN MARCUS ; LOCKE CHRISTOPHER BRIAN ; ROBINSON TIMOTHY MARK ; KCL LICENSING INC ; TOUT ALDEN MARCUS ; LOCKE CHRISTOPHER DRIAN ; TOUT ALDAN MARCUS ; KEJSIAJ LAJSENZING INK ; COULTHARD RICHARD DANIEL JOHN ; JAEB JONATHAN PAUL ; KCI LICENSING INC
Assignee(s):	KCI LICENSING INC SAN ANTONIO ; KCI USA INC ; WILMINGTON TRUST NATIONAL ASSOCIATION COLLATERAL AGENT AS
Inventor(s): (std):	BRIAN LOCKE CHRISTOPHER ; COULTHARD RICHARD DANIEL JOHN ; DZHAEB DZHONATAN POL ; JAEB JONATHAN PAUL ; JOHN COULTHARD RICHARD DANIEL ; KOULTKHARD RICHARD DEHNIEL DZHON ; LOCKE CHRISTOPHER BRIAN ; LOK KRISTOFER BRAJAN ; MARCUS TOUT AIDAN ; MARK ROBINSON TIMOTHY ; PAUL JAEB JONATHAN ; LOCKE CHRISTOPHER DRIAN ; LOCKE CHRSTOPHER BRIAN ; ROBINSON TIMOTHY MARK ; ROBINSON TIMOTI MARK ; TAUT EHJDAN MARKUS ; TOUT AIDAN MARCUS ; TOUT ALDAN MARCUS ; TOUT ALDEN MARCUS
Inventor(s):	TOUT AIDAN MARCUS NOMANSLAND ; AIDAN MARCUS TOUT ; TIMOTHY MARK ROBINSON ; ROBINSON TIMOTHY MARK BASINGSTOKE ; RICHARD DANIEL JOHN COULTHARD ; LOCKE CHRISTOPHER BRIAN BOURNEMOUTH ; JONATHAN PAUL JAEB ; JAEB JONATHAN PAUL BOERNE ; COULTHARD RICHARD DANIEL JOHN VERWOOD ; CHRISTOPHER BRIAN LOCKE ; CHRSTOPHER BRIAN LOCKE
Agent(s):	SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; BOEHMERT AND BOEHMERT ANWALTSPARTNERSCHAFT MBB PATENTANWAELTE RECHTSANWAELTE; OLSWANG GERMANY LLP; MAGGS MICHAEL NORMAN; CORDINA KEVIN JOHN; ASHTON TIMOTHY; CMS CAMERON MCKENNA NABARRO OLSWANG LLP; ONE LEGAL LLC; KINETIC CONCEPTS INC C O SONNENSCHN NATH AND ROSENTHAL LLP; KINETIC CONCEPTS INC C O SNR DENTON US LLP; WELCH GERALD T 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 LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SUPER-ABSORBENT, **REDUCED-PRESSURE** WOUND DRESSING AND SYSTEMS

Abstract: A super-absorbent dressing assembly for use with a **reduced-pressure** wound **treatment** system includes a breathable, fluid restricted dry layer for placement against a wound, a super-absorbent layer, and a non-breathable layer, and a drape extending over the non-breathable layer. A **reduced-pressure** interface is available to fluidly couple the super-absorbent layer to a **reduced-pressure** subsystem. The super-absorbent dressing assembly preferably supplies a compressive force when placed under **reduced pressure**. A **reduced-pressure treatment** system uses a super-absorbent bolster to treat wounds, e.g., linear wounds.

Classifications:

International (IPC 8-9): A41C3/00 A47G9/10 A61B10/00 A61B17/00

A61B17/56 A61F13/00 A61F13/02 A61F13/14 A61F13/15 A61F15/00

A61H1/00 A61L15/16 A61L15/22 A61L15/42 A61L15/60 A61M1/00

A61M27/00 A61M37/00 (Advanced/Invention);

A61M1/00 (Advanced/Non-invention);

A61F13/00 A61F13/02 A61L15/16 A61M1/00 (Core/Invention)

CPC: A61F13/0289 A61F13/00017 A61F13/143 A61F13/145

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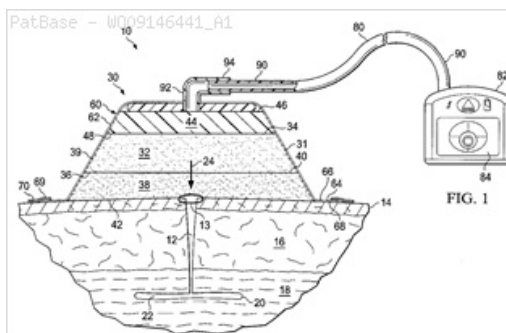
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Title: **REDUCED PRESSURE**, WOUND-CLOSURE AND **TREATMENT** SYSTEMS AND METHODS

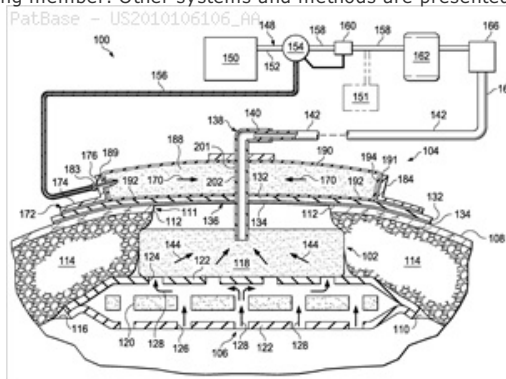
Abstract: A **reduced pressure** wound closure system is presented that generates a closing force on a surface wound and optionally provides **reduced pressure** to a body cavity or tissue site. The sealed contracting member, when placed under **reduced pressure**, generates the closing force. One illustrative system includes a first attachment member and a second attachment member, a sealed contracting member coupled to the first attachment member and the second attachment member, and wherein the closing force is generated between the first attachment member and the second attachment member when **reduced pressure** is supplied to the sealed contracting member. Other systems and methods are presented.

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A61B17/08 A61D1/00 A61F13/00 A61F13/02 A61F13/14 A61F15/00
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B23P11/00 B23P17/04 B32B38/04 (Advanced/Invention);
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B23P17/00 (Core/Invention);
A61F13/02 A61M1/00 A61M27/00 A61M35/00 (Core/Non-invention);
A61M (Subclass/Invention)
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A61B17/0057 A61F13/00029 A61F13/00038 A61M1/0092
Y10T156/1056 Y10T156/1057 Y10T156/1062 Y10T156/1304
A61M1/006 A61F13/00004 A61M2205/33 A61M2210/10 Y10T29/49
Y10T29/49826 Y10T156/1052

European: A61M1/00 A61M1/00T6

US: 1/1 156/250 29/428 29/428S 29/592 602/42 604/176 604/289
604/290 604/290P 604/304 604/304S 604/307 604/307S 604/317 604/319 604/319P 604/319S 604/327 604/540 604/543
604/543P 606/213 606/213P 606/213S 606/215 606/216 606/216P



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Priority:

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Probable Assignee: KCI LICENSING INC

Assignee(s): (std): BEARD MARK STEPHAN JAMES ; COWARD CHRISTOPHER GUY ; HALL COLIN JOHN ; HALL COLLIN JOHN ; HARDMAN IAN ; HEATON KEITH PATRICK ; HARDMAN IAN JAMES ; KCI LICENSING INC ; KCI LICENSING INC ; KCI LICENSING INC ; WHYTE DAVID GEORGE ; SEALY JAMES JOSEPH ; WHYTE DAVID ; ROBINSON TIMOTHY MARK ; LOCKE CHRISTOPHER BRIAN ; KEJSIAJ LAJSENZING INK

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Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; OLSWANG GERMANY LLP; ASHTON TIMOTHY; CORDINA KEVIN JOHN; CMS CAMERON MCKENNA NABARRO OLSWANG LLP; KITA AOYAMA INT PATENT BUREAU; UGUR GUERSAD YALCINER; KINETIC CONCEPTS INC C O SONNENSCHN NATH AND ROSENTHAL LLP; SNR DENTON US LLP; HILTON ROBERT C ET AL; WELCH GERALD T 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 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 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: **REDUCED PRESSURE TREATMENT** SYSTEMS AND METHODS EMPLOYING DEBRIDEMENT MECHANISMS

Abstract: Reduced-pressure treatment systems and methods are disclosed that employ debridement mechanisms to remove unwanted tissue. In one instance, a reduced-pressure treatment system for treating a tissue site on a patient includes a manifold member for distributing reduced pressure to the tissue site, a support member for disposing proximate the tissue site and the manifold, and a debridement mechanism coupled to the support member. The debridement mechanism is for debriding the tissue site. The system further includes a sealing drape for placing over the tissue site and manifold member. The sealing drape is operable to form a fluid seal over the tissue site and manifold member. The system also includes a reduced-pressure subsystem for delivering a reduced pressure to the sealing drape. The system may further include a chemical-debridement subsystem. Other systems, manifolds, and methods are disclosed.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/30 A61B17/32 A61F13/00 A61F13/02 A61H7/00 A61H99/00 A61K35/64 A61K38/43 A61K38/46 A61K38/48 A61K45/00 A61M1/00 A61M27/00 A61M35/00 A61M37/00 A61P17/02 A61P41/00 A61P43/00 B23P17/04

B65D (Advanced/Invention);

A61B17/00 A61B17/30 (Advanced/Non-invention);

A61B17/30 A61B17/32 A61H7/00 A61M1/00

A61M35/00 (Core/Invention);

A61F13/02 A61M1/00 (Core/Non-invention)

CPC: A61B2017/00561 A61M1/0084 A61M1/0088 A61F13/00063

Y10T29/49826 A61K38/4886 C12Y304/24007 C12Y304/22003

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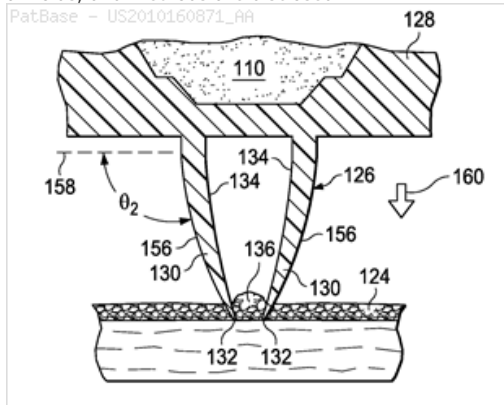
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A61M27/00

European: A61B17/32 A61M1/00T2 A61M1/00T6 A61M27/00

K61B17/00N10 K61B17/30

US: 1/1 29/428 29/428S 604/22 604/22P 604/290 604/290P 604/313 604/313S 604/540 606/131 606/131S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: KCI LICENSING INC

Assignee(s): (std): KCI LICENSING INC ; SEEGERT CHARLES ALAN ; WILKES ROBERT PEYTON

Assignee(s): WILMINGTON TRUST NATIONAL ASSOCIATION COLLATERAL AGENT AS ; KCI LICENSING INC US ; KCI USA INC

Inventor(s): (std): WILKES ROBERT PEYTON ; SEEGERT CHARLES ALAN

Inventor(s): CHARLES ALAN SEEGERT ; ROBERT PEYTON WILKES

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; ASHTON TIMOTHY; KITA AOYAMA INT PATENT BUREAU; KINETIC CONCEPTS INC C O SONNENSCHN NATH AND ROSENTHAL LLP; JOHNSTON ROBERT H III 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 NZ NA NE NG NI NL NO OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ABSORBENT STRUCTURE

Abstract: An absorbent structure with a sequence of two layers includes at least one liquid absorption layer, a subsequent liquid storage layer with super absorbent polymer particles and super absorbent polymer fibers, and a subsequent liquid distribution layer. The layers are connected and form a sheet structure. The liquid storage layer has its super absorbent polymer extending from the liquid storage layer into the liquid distribution layer in order to generate a return suction effect for the liquid that has passed through the liquid absorption layer and liquid storage layer into the liquid distribution layer.

Classifications:

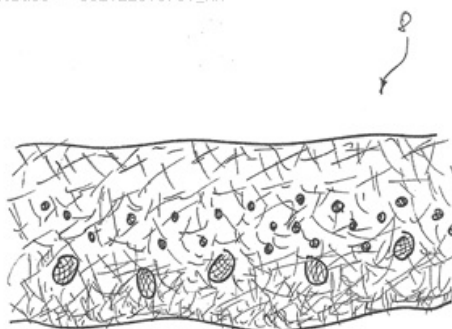
International (IPC 8-9): A61F13/15 A61F13/534 A61F13/537
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B01J20/28 B32B3/26 B32B3/28 B32B3/30 B32B37/06 B32B37/10
B32B37/12 B32B37/14 B32B5/18 (Advanced/Invention);
A61F13/53 (Advanced/Non-invention)

CPC: B01J20/26 A61F13/15658 A61F13/534 A61F13/53747
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B01J20/24 B01J20/28023

European: A61F13/15M3G A61F13/534 A61F13/537C2
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US: 1/1 156/390 156/499 156/62.2 428/172 428/212 428/304.4
428/309.9 428/314.8 428/316.6 428/317.9 502/402 604/365 604/367
604/378 604/385.01

PatBase - US2012308780_AA

**Family:**

Publication number	Publication date	Application number	Application date
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Probable Assignee: GLATFELTER FALKENHAGEN GMBH

Assignee(s): (std): GLATFELTER FALKENHAGEN GMBH ; GLEHTFELTER FAL KENKHAGEN GMBKH ; ROETTGER HENNING ; VOLKMER RENO

Assignee(s): ROTTGER HENNING

Inventor(s): (std): FOL KMER RENO ; RETTGER KHENNING ; ROETTGER HENNING ; ROTTGER HENNING ; VOLKMER RENO

Inventor(s): HENNING ROETTGER ; HENNING ROTTGER ; RENO VOLKMER

Agent(s): SWABEY MITCHELL HOUTLE MARCOUX AND SHER; EISENFUEHR SPEISER PATENTANWAELTE
RECHTSANWAELTE PARTGMBB; MAXTON LANGMAACK AND PARTNER; VON KREISLER SELTING
WERNER PARTNERSCHAFT VON PATENTANWAELTEN U RECHTSANWAELTEN MBB; CEMEN KARABAG;
WARE FRESSOLA MAGUIRE AND BARBER LLP; BLANK ROME LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU
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SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: APPARATUSES AND METHODS FOR NEGATIVE **PRESSURE** WOUND THERAPY

Abstract: Disclosed herein are several embodiments of a negative **pressure** appliance and methods of using the same in the **treatment** of wounds. Some embodiments are directed to improved fluidic connectors or suction adapters for connecting to a wound site, for example using softer, kink-free conformable suction adapters.

Classifications:

International (ipc 8-9): A61F13/00 A61F13/02 A61F13/36 A61M1/00 A61M27/00 (Advanced/Invention);

A61F13/00 A61M39/20 (Advanced/Non-invention)

CPC: A61F13/02 A61F2013/00238 A61F2013/00536 A61F2013/0057 A61F2013/00846 A61M1/0086 A61M1/0092 A61M2205/7518

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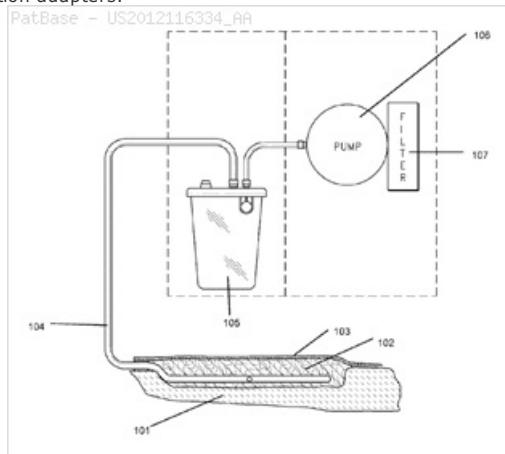
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US: 1/1 604/319 604/319P D24/108

Locarno class: 24/02 24/01



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: SMITH AND NEPHEW INC

Assignee(s): (std): ALBERT SEAN ; ARMSTRONG ED ; BEAUDOIN KEN ; BLACKBURN IAIN MICHAEL ; BUSSONE PHIL ; EMMERSON ROBERT ; EWASCHUK MIKE ; GUARRAIA MARK ; GODDARD ANDREW ; GORDON JOSEPH ; GIANELIS STEPHEN ; CRAWFORD BRENDAN ; KEITH LUCAS DARWIN ; JOHNSON TIM ; GIANELIS STEVEN ; STERN TIM ; SMITH AND NEPHEW INC ; WHITE MARK ; NELSEN DAN ; LINTON ANDREW ; SALAME MICHAEL

Assignee(s): N A

Inventor(s): (std): ALBERT SEAN ; ANDREW GODDARD ; ANDREW LINTON ; ARMSTRONG ED ; BEAUDOIN KEN ; BLACKBURN IAIN MICHAEL ; BRENDAN CRAWFORD ; BUSSONE PHIL ; CRAWFORD BRENDAN ; DAN NELSEN ; DARWIN KEITH LUCAS ; ED ARMSTRONG ; EMMERSON ROBERT ; EWASCHUK MIKE ; GIANELIS STEPHEN ; GIANELIS STEVEN ; GODDARD ANDREW ; GORDON JOSEPH ; GUARRAIA MARK ; IAIN MICHAEL BLACKBURN ; JOHNSON TIM ; JOSEPH GORDON ; KEITH LUCAS DARWIN ; KEN BEAUDOIN ; LINTON ANDREW ; MARK GUARRAIA ; MARK WHITE ; MICHAEL BLACKBURN IAIN ; MICHAEL SALAME ; MIKE EWASCHUK ; NELSEN DAN ; PHIL BUSSONE ; ROBERT EMMERSON ; SALAME MICHAEL ; SEAN ALBERT ; STEPHEN GIANELIS ; STERN TIM ; TIM JOHNSON ; TIM STERN ; WHITE MARK

Agent(s): GRIFFITH HACK; BORDEN LADNER GERVAIS LLP; CONNORS MARTIN L H; KNOBBE MARTENS OLSON AND BEAR LLP; DELANEY KAROLINE A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL

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

Title: DELIVERY-AND-FLUID-STORAGE BRIDGES FOR USE WITH REDUCED-PRESSURE SYSTEMS

Abstract: Systems, methods, and apparatuses are presented that facilitate the provision of reduced pressure to a tissue site by using a delivery-and-fluid-storage bridge, which separates liquids and gases and provides a flow path for reduced pressure. In one instance, a delivery-and-fluid-storage bridge includes a delivery manifold for delivering reduced pressure to a treatment manifold at the tissue site and an absorbent layer proximate the delivery manifold adapted to receive and absorb liquids. The delivery manifold and the absorbent layer are encapsulated in an encapsulating pouch. A first aperture is formed proximate a first longitudinal end of the delivery-and-fluid-storage bridge for fluidly communicating reduced pressure to the delivery manifold from a reduced-pressure source, and a second aperture is formed on a patient-facing side of the delivery-and-fluid-storage bridge. Reduced pressure is transferred to the tissue site via the second aperture. Other systems, apparatuses, and methods are disclosed.

Classifications:

International (IPC 8-9): A61B1/00 A61B17/00 A61B19/00 A61F13/02 A61M1/00 A61M27/00 (Advanced/Invention)

CPC: A61M1/0086 A61M2205/7536 A61M1/0023 A61F13/0206

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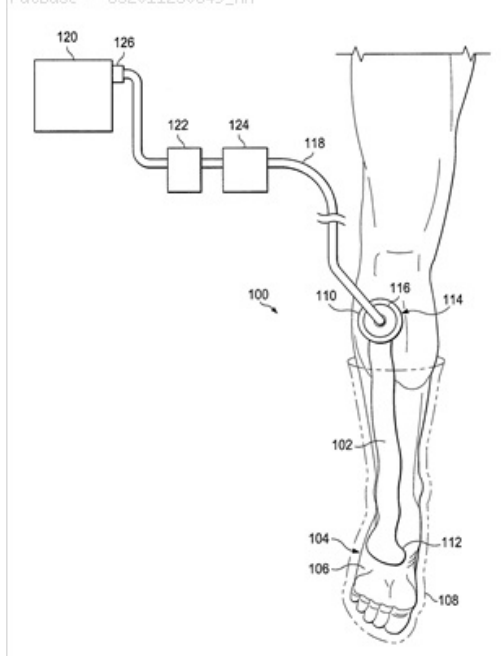
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A61M1/0088 Y10T29/49826

European: A61M1/00T6

US: 29/428 604/319 604/319P

PatBase - US2011230849_AA



Family:

Publication number	Publication date	Application number	Application date
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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 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: WOUND DRESSING AND METHOD OF USE

Abstract: A system, method, and apparatus are disclosed for dressing a wound. The apparatus comprises a liquid and gas permeable transmission layer, an absorbent layer for absorbing wound exudate, the absorbent layer overlying the transmission layer, a gas impermeable cover layer overlying the absorbent layer and comprising a first orifice, wherein the cover layer is moisture vapor permeable.

Classifications:**International (IPC 8-9):** A47J A61F A61F13/00 A61F13/02 A61L15/16

A61M A61M1/00 A61M27/00 A61M35/00 B63B

D06N1/00 (Advanced/Invention);

A01B1/00 A61F13/00 A61F13/02 A61M1/00

A61M27/00 (Advanced/Non-invention);

A61M1/00 (Core/Invention);

A61F A61M (Subclass/Invention)

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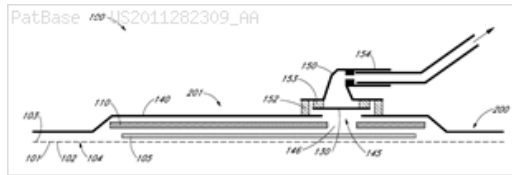
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European: A61F13/00B6 A61F13/00B8 A61F13/02B A61F13/02B2B A61F13/02B8 A61F13/02C A61M1/00T6 A61M27/00

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US: 1/1 604/319 604/319P**Family:**

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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 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: SYSTEMS AND METHODS FOR CONTROLLING OPERATION OF A **REDUCED PRESSURE** THERAPY SYSTEM

Abstract: Negative **pressure** wound therapy apparatuses and dressings, and systems and methods for operating such apparatuses for use with dressings are disclosed. In some embodiments, controlling the delivery of therapy can be based on monitoring and detecting various operating conditions. An apparatus can have a controller configured to monitor the duty cycle of a source of negative **pressure** and, based on the monitored duty cycle, determine whether a leak is present. The controller can be configured to provide an indication that a leak is present. For example, the controller can be configured to suspend and/or pause the delivery of therapy, and to restart the delivery of therapy due to a timeout, request from a user, etc. In addition, the controller can be configured to pause and/or restart the delivery of therapy upon a request from the user, such as in response to the user operating a switch.

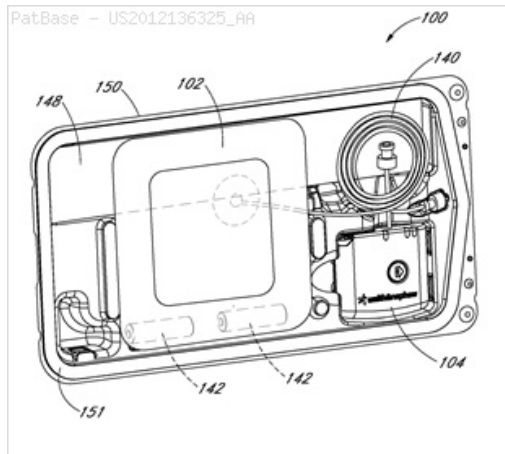
Classifications:

International (IPC 8-9): A61F13/00 A61M A61M1/00 A61M27/00 A61M31/00 A61M39/22 A61M5/168 (Advanced/Invention); A61M31/00 A61M5/168 (Advanced/Non-invention); A61F13/00 A61M1/00 A61M27/00 (Core/Invention); A61M (Subclass/Invention)

CPC: A61M2205/3334 A61M2205/8206 A61M5/16831 A61M2205/15 A61M2205/18 A61M2205/3344 A61M2205/8212 A61M1/0025 A61M1/0003 A61F13/00068 A61F2013/00174 A61M1/0037 A61M1/0035 A61M1/0066 A61M39/22 A61M1/0027 A61M1/0031 A61M1/0088

European: A61M1/00H2 A61M1/00T6 K61M1/00H2B K61M205/15 K61M205/33P5 K61M205/82B2

US: 1/1 604/317 604/318 604/319 604/319P 604/320 604/323 604/326 604/500 604/543



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Probable Assignee: SMITH AND NEPHEW PLC

Assignee(s): (std): ALLEN JULIE ; ASKEM BEN ALAN ; COLLINSON SARAH JENNY ; GREENER BRYAN ; HUGHEY RICHARD ; SMITH AND NEPHEW ; NICOLINI DEREK ; HUGHEY RICHARD THOMAS ; SMIT END NEFYU PIELSI

Assignee(s): SMITH NEPHEW PLC ; SMITH AND NEPHEW MEDICAL LTD ; TJ SMITH AND NEPHEW LTD ; SMITH AND NEPHEW PUBLIC CO LTD ; SMITH AND NEPHEW PLC

Inventor(s): (std): COLLINSON SARAH JENNY ; DEREK NICOLINI ; GREENER BRYAN ; GRINER BRAJAN ; HUGHEY RICHARD ; HUGHEY RICHARD THOMAS ; JULIE ALLEN ; NICOLINI DERE ; NICOLINI DEREK ; NIKOLINI DEREK ; RICHARD HUGHEY ; SARAH JENNY COLLINSON ; ALLEN JULIE ; ASKEM BEN ALAN ; BEN ALAN ASKEM

Inventor(s): BRYAN GREENER

Agent(s): GRIFFITH HACK; BORDEN LADNER GERVAIS LLP; MURGITROYD AND CO; CONNORS MARTIN LH; SMITH AND NEPHEW; DE ELZABURU ALBERTO; ELZABURU SLP ELZABURU SLP; ZEHRA YILDIRIM; KNOBBE MARTENS OLSON AND BEAR LLP; CONNORS MARTIN; DELANEY KAROLINE A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC 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: WOUND DRESSING FOR NEGATIVE-PRESSURE THERAPY

Abstract: The present invention relates to a bandage for use in negative-pressure wound therapy, more particularly for wounds in the abdominal region, comprising a flexible film as a wound contact layer and at least one conduit applied to the film, wherein the conduit communicates with the wound space through openings in the conduit and in the film.

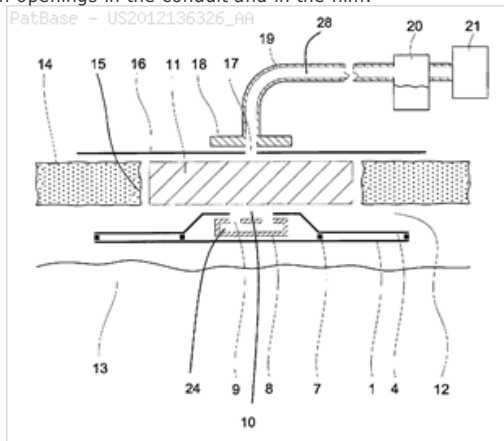
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International (IPC 8-9): A61F13/00 A61F13/02 A61F13/14 A61M1/00 A61M27/00 B23P17/04 (Advanced/Invention)

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European: A61F13/00A2D A61F13/00B8 A61F13/00M A61F13/02B8 A61M1/00T6 K61F13/00J8A K61F13/00L10 K61F13/00L1T K61F13/00L1V K61F13/00L2 K61F13/14

US: 29/428 29/428S 602/47 604/313 604/319 604/319P



Family:

Publication number	Publication date	Application number	Application date
DE102010052336 A1	20120531	DE201010052336	20101125
DE502011009196 D1	20160504	DE201150009196T	20111119
EP2642960 A1	20131002	EP20110785607	20111119
EP2642960 B1	20160323	EP20110785607	20111119
RU2013126505 A	20141227	RU20130126505	20111119
US2012136326 AA	20120531	US20110301993	20111122
US2014364822 AA	20141211	US20140465031	20140821
US8926574 BB	20150106	US20110301993	20111122
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Priority:

DE201010052336 20101125 US20100417983P 20101130 EP20110785607 20111119
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Probable Assignee: PAUL HARTMANN AG

Assignee(s): (std): CROIZAT PIERRE ; ECKSTEIN AXEL ; FINK ULRICH ; HARTMANN PAUL AG ; HOFSTETTER JUERGEN

Assignee(s): PAUL HARTMANN AG

Inventor(s): (std): CROIZAT PIERRE ; CROIZAT PIERRE DR ; ECKSTEIN AXEL ; ECKSTEIN AXEL DR ; FINK ULRICH ; FINK ULRICH DR ; HOFSTETTER JUERGEN ; HOFSTETTER JURGEN

Agent(s): EIBL CHRISTIAN DIPL BIOL UNIV DR RER NAT; DILWORTH AND BARRESE LLP; OLTMANN ECKHARD 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

Title: COMPOSITION I-II AND PRODUCTS AND USES THEREOF

Abstract: A curable composition apportioned between at least one Part A and at least one Part B, the Parts sealed within barrier means preventing contamination, the at least one Part A comprising: (i) one or more alkenyl-group containing prepolymers having at least one alkenyl group or moiety per molecule, and the at least one Part B comprising: (ii) one or more SiH-containing prepolymers having at least one Si-H unit per molecule; the composition additionally comprising: (iii) a catalyst for curing by addition of alkenyl-containing prepolymer (i) to SiH-containing prepolymer (ii), wherein prepolymer (ii) is substantially absent from Part A and prepolymer (i) is substantially absent from Part B, methods for preparing the composition, methods for sterilisation thereof, medical and non-medical use thereof, a **device** incorporating the composition, and a precursor thereof including its sterilisable precursor composition, in particular a terminally sterilisable or terminally sterile composition for medical use, particularly in wound therapy, more particularly as a wound packing material which can be shaped and configured to the shape of a wound, most particularly for application in negative **pressure** wound therapy (NPWT).

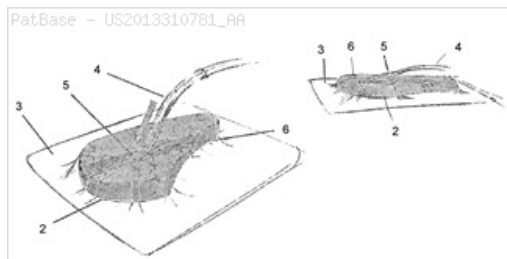
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International (IPC 8-9): A23L3/3463 A23L3/358 A61F13/02 A61L A61L15/16 A61L15/24 A61L15/26 A61L15/42 A61L15/58 A61L24/00 A61L24/06 A61L26/00 A61M A61M1/00 C08L C08L101/02 C08L101/04 C08L83/04 C08L83/05 C08L83/07 C09J11/02 C09J183/05 C09J201/02 C09K3/10 (Advanced/Invention); A61L A61M (Subclass/Invention)

CPC: A61L26/0095 A61L24/0073 A61F13/0216 A61L15/26 A61L15/425 A61L15/585 A61M1/0088 C08G77/12 C08G77/20 C08L83/04 A61L15/58 A61L24/0036 A61L26/0085

European: A61L15/26 A61L15/42E A61L15/58M A61M1/00T6 C08L83/04 M08G77/12 M08G77/20

US: 222/145.1 521/134 604/319



Family:

Publication number	Publication date	Application number	Application date
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JP2014505118 T2	20140227	JP20130540432T	20111125
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JP6078472 B2	20170208	JP20130540432T	20111125
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Priority:

GB20100019997 20101125 GB20110004512 20110317 CN201180065988 20111125
 EP20110811106 20111125 JP20130540432T 20111125 WO2011GB01652 20111125
 JP20160210602 20161027

Probable Assignee: BLUESTAR SILICONES FRANCE SAS

Assignee(s): (std): BLANC DELPHINE ; BLUESTAR SILICONES FRANCE ; NEPHEW ; PHILLIPS MARCUS DAMIAN ; SMITH AND NEPHEW ; SMIT END NEFYU PIELSI

Assignee(s): SMITH NEPHEW PLC ; SMITH AND NEPHEW PUBLIC CO LTD ; SMITH AND NEPHEW PLC ; BLUESTAR SILICONES FRANCE SAS

Inventor(s): (std): MARCUS DAMIAN PHILLIPS ; PHILLIPS MARCUS DAMIAN ; FILIPS MARKUS DEMIAN ; BLAN DELFINA ; BLANC DELPHINE

Inventor(s): DELPHINE BLANC

Agent(s): GRIFFITH HACK; BORDEN LADNER GERVAIS LLP; MURGITROYD AND CO; DE ELZABURU ALBERTO; ZEHA YILDIRIM; ALLEN PIPPA

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: COMPOSITION I - I AND PRODUCTS AND USES THEREOF

Abstract: A curable composition apportioned between at least one Part A and at least one Part B, the Parts sealed within barrier means in manner to prevent contamination thereof, the composition comprising: (i) one or more alkenyl-containing prepolymers having at least one alkenyl moiety per molecule, ii) one or more SiH-containing prepolymers having at least one SiH unit per molecule, and additionally: (iii) a catalyst for curing by addition of alkenyl-containing prepolymer (i) to SiH-containing prepolymer (ii), wherein the at least one Part A and at least one Part B are provided within or upon at least two respective receptacles or supports and are adapted to be dispensed or released therefrom in cooperative manner facilitating intimate contact and curing thereof, wherein the receptacle(s) or support(s) for at least one of Part A and Part B is thermally stable at elevated temperature of 123 C for a period in excess of 18 hours, methods for preparing the composition, methods for sterilisation thereof, medical and non-medical use thereof, a **device** incorporating the composition, and a precursor therefor including its sterilisable precursor composition, in particular a terminally sterilisable or terminally sterile composition for medical use, particularly in wound therapy, more particularly as a wound packing material which can be shaped and configured to the shape of a wound, most particularly for application in negative **pressure** wound therapy (NPWT).

Classifications:

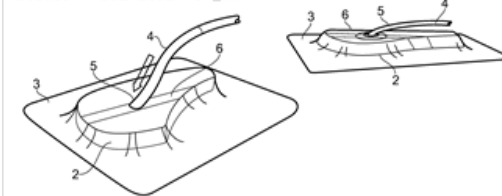
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CPC: A61L26/0095 A61L24/0073 A61M1/00 A61L15/425 A61L15/26 A61L15/58 A61L15/42 A61L2400/04

European: A61L15/26 A61L15/42E A61L15/58

US: 366/177.1 521/134 525/100 604/319

PatBase - US2013310780_AA

**Family:**

Publication number	Publication date	Application number	Application date
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JP20160210604 20161027

Probable Assignee: SMITH AND NEPHEW PLC

Assignee(s): (std): PHILLIPS MARCUS DAMIAN ; SMIT END NEFYU PIELSI ; SMITH AND NEPHEW

Assignee(s): SMITH AND NEPHEW PLC ; SMITH AND NEPHEW PUBLIC CO LTD

Inventor(s): (std): PHILLIPS MARCUS DAMIAN ; MARCUS DAMIAN PHILLIPS ; FILIPS MARKUS DEMIAN

Agent(s): GRIFFITH HACK; BORDEN LADNER GERVAIS LLP; CONNORS MARTIN LH; CONNORS MARTIN

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