

## Search strategy

## Query

( (BOOT+ OR SHOE OR FOOTWEAR)/TI/AB/CLMS AND (THERMAL AND TORSION AND DENSITY AND HEEL AND HYDROPH+)/DESC/ODES/TI/AB/TX )

## 14 Documents

| Publication numbers             | Title                                                                                                                     | Current assignees                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <a href="#">WO2019202574 A1</a> | <b>Footwear</b> article having improved ergonomic and thermoregulation features                                           | LA NACION MINISTERIO DE DEFENSA EJERCITO NAC, ...                                       |
| <a href="#">EP2413728 A1</a>    | Sole unit for <b>footwear</b> and <b>footwear</b> comprising the same                                                     | W L GORE & ASSOCIATES                                                                   |
| <a href="#">EP3545784 A1</a>    | <b>Shoe</b> upper for sports shoes                                                                                        | ADIDAS                                                                                  |
| <a href="#">WO2007100884 A2</a> | Modification of polymeric materials for increased adhesion                                                                | DU PONT DE NEMOURS                                                                      |
| <a href="#">CN106108236 A</a>   | Multipurpose outdoor sports shoes                                                                                         | QUARTERMASTER EQUIPMENT RESEARCH INSTITUTE THE GENERAL LOGISITIC DEPARTMENT OF PLA, ... |
| <a href="#">EP3381311 A1</a>    | Soles for sports shoes                                                                                                    | ADIDAS                                                                                  |
| <a href="#">EP2467038 A2</a>    | Reconfigurable shoes and apparel and docking assembly therefor                                                            | CODE FLUIDICS, ...                                                                      |
| <a href="#">EP3501316 A1</a>    | Method for manufacturing a <b>shoe</b> upper                                                                              | ADIDAS                                                                                  |
| <a href="#">EP3508628 A1</a>    | Circular knit <b>shoe</b> upper and methods of making same                                                                | ADIDAS                                                                                  |
| <a href="#">WO2009140004 A2</a> | A device and system for well completion and control and method for completing and controlling a well                      | BAKER HUGHES                                                                            |
| <a href="#">EP3426257 A1</a>    | Neuroactive steroids, compositions, and uses thereof                                                                      | SAGE THERAPEUTICS                                                                       |
| <a href="#">EP3011017 A1</a>    | Compositions and methods for biological production of lactate from c1 compounds using lactate dehydrogenase transformants | CALYSTA                                                                                 |
| <a href="#">EP3171914 A1</a>    | Smart connection interface                                                                                                | MEDTRONIC MINIMED                                                                       |
| <a href="#">EP3193746 A2</a>    | Expandable body device and method of use                                                                                  | ARTIO MEDICAL                                                                           |

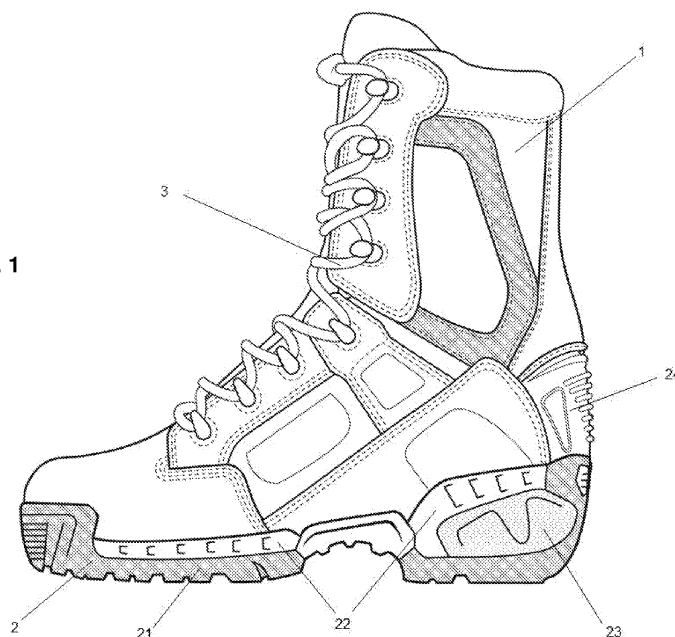
Family 1/14 - FAMPAT - ©Questel

**Title**

(WO2019202574)

**Footwear** article having improved ergonomic and thermoregulation features**Images**

FIG. 1

**Publication numbers with kind code & date**[WO2019/202574](#)

A1 2019-10-24

WO2019202574

[CO2018004236](#)

A1 2019-10-21

CO2018004236A1

**Abstract**

(WO2019/202574)

The present invention relates to a **footwear** article, such as a **boot**, consisting of multiple layers of different materials that bring together a series of technical features to promote hygiene and the musculoskeletal wellbeing of the user. The **boot** is specifically characterised in that it comprises elements that allow the controlled absorption of impacts, protecting against twisting, and the reduction or even elimination of the risk of developing dermatophytosis and musculoskeletal dystrophy. In other embodiments, the **boot** of the present invention also comprises a thermoregulation system that assists with controlling the user's body temperature.

**Inventors**

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**Latest standardized assignees - inventors removed**

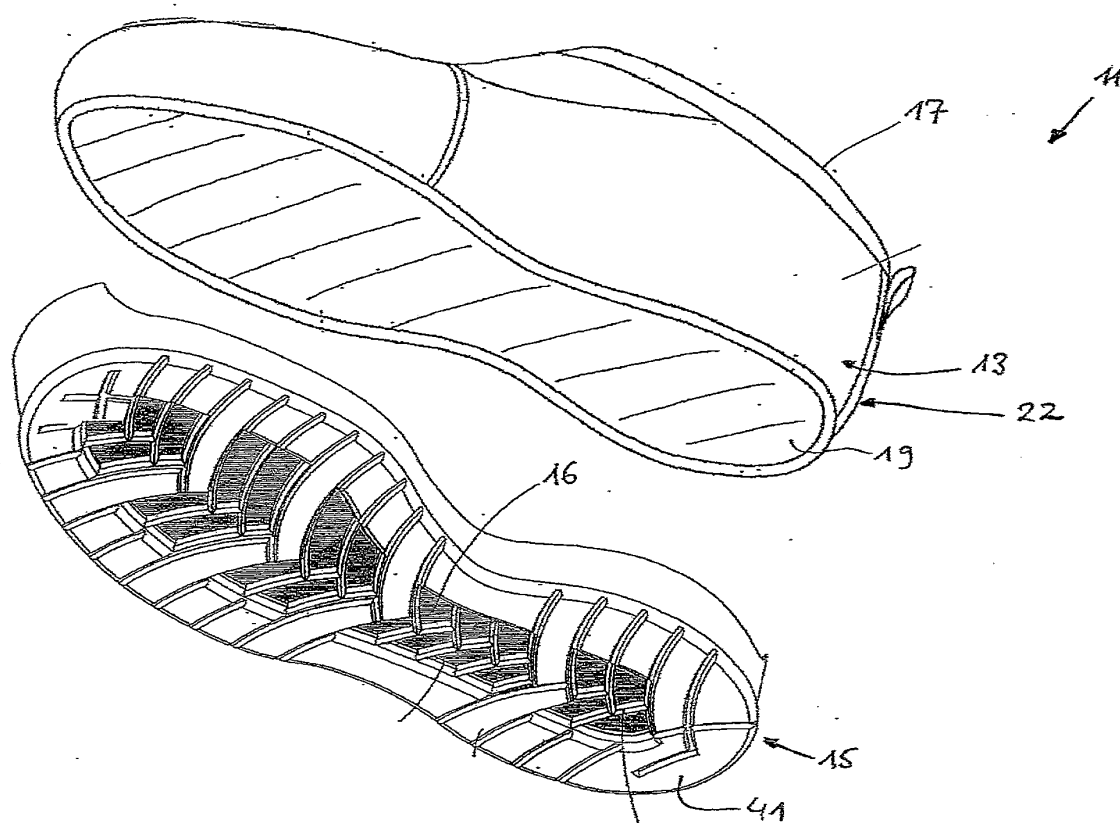
LA NACION MINISTERIO DE DEFENSA EJERCITO NAC

INDUSTRY W WILCHES

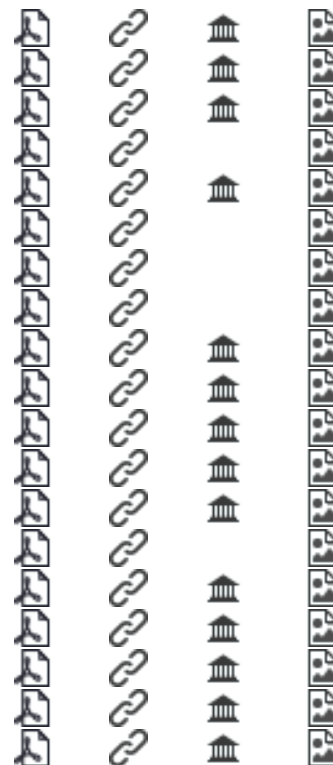
Family 2/14 - FAMPAT - ©Questel

**Title**

(EP2413728)

Sole unit for **footwear** and **footwear** comprising the same**Images****Publication numbers with kind code & date**

|                   |    |            |                |
|-------------------|----|------------|----------------|
| CN102378583       | B  | 2017-05-10 | CN102378583B   |
| EP2413728         | B1 | 2016-07-13 | EP2413728      |
| CA2755855         | C  | 2015-01-06 | CA2755855      |
| KR101457757       | B1 | 2014-11-03 | KR101457757    |
| JP5540069         | B2 | 2014-07-02 | JP5540069      |
| UA105522          | C2 | 2014-05-26 | UA-105522      |
| RU2499536         | C2 | 2013-11-27 | RU2499536      |
| RU2011144094      | A  | 2013-05-10 | RU2011144094   |
| US20130036631     | A1 | 2013-02-14 | US20130036631  |
| AU2010230187      | B2 | 2013-01-24 | AU2010230187   |
| JP2012522551      | A  | 2012-09-27 | JP2012522551   |
| IN3807/KOLNP/2011 | A  | 2012-05-11 | IN2011KN03807  |
| CN102378583       | A  | 2012-03-14 | CN102378583    |
| KR20120018140     | A  | 2012-02-29 | KR20120018140  |
| EP2413728         | A1 | 2012-02-08 | EP2413728      |
| AU2010230187      | A1 | 2011-10-20 | AU2010230187   |
| DE102009015890    | A1 | 2010-10-14 | DE102009015890 |
| CA2755855         | A1 | 2010-10-07 | CA2755855      |
| WO2010/112568     | A1 | 2010-10-07 | WO2010112568   |

**Abstract**

(EP2413728)

The invention relates to a water-vapor-permeable sole unit (15) comprising an outsole layer (41) that is constructed with an

outsole material and that is possibly composed of a plurality of parts and/or provided with outsole parts arranged thereunder, wherein the thickness of the outsole layer is reduced within a peripheral area by means of a recess (43) extending from the top of the outsole layer (41), and the outsole layer is provided with outsole layer through-openings (45) extending through the thickness thereof. The sole unit (15) comprises a water-vapor-permeable barrier layer (47) that is arranged at least partially in the recess (43) of the outsole layer (41) and that extends only over a partial height of the recess (43), wherein the water-vapor-permeable barrier layer is constructed with a barrier material designed against the penetration of foreign bodies. The sole unit (15) comprises a water-vapor-permeable comfort layer (49) that is arranged above the barrier layer (47) in the recess (43) and that is constructed with a comfort layer material that has a lower hardness and/or a lower specific weight than the outsole material.

**Inventors**

NABERNIK STANE

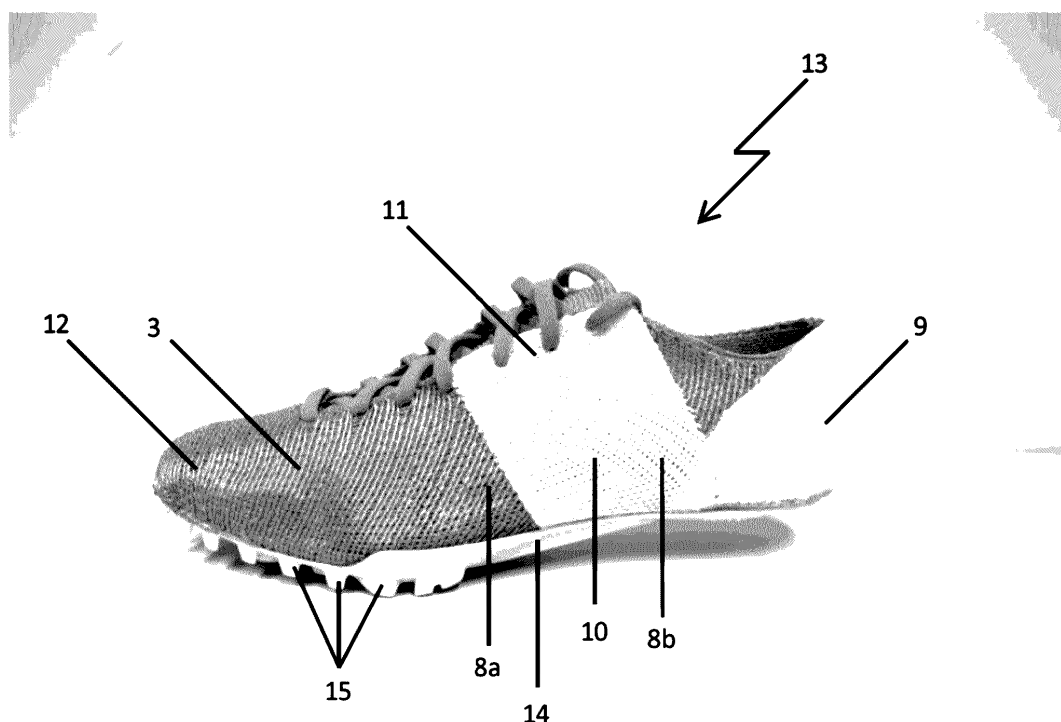
**Latest standardized assignees - inventors removed**

W L GORE &amp; ASSOCIATES

Family 3/14 - FAMPAT - ©Questel

**Title**

(EP3545784)

**Shoe** upper for sports shoes**Images****Publication numbers with kind code & date**

|                               |    |            |               |
|-------------------------------|----|------------|---------------|
| <a href="#">EP3545784</a>     | A1 | 2019-10-02 | EP3545784     |
| <a href="#">EP3075277</a>     | B1 | 2019-04-24 | EP3075277     |
| <a href="#">JP2016198481</a>  | A  | 2016-12-01 | JP2016198481  |
| <a href="#">EP3075277</a>     | A3 | 2016-10-19 | EP3075277     |
| <a href="#">CN105996284</a>   | A  | 2016-10-12 | CN105996284   |
| <a href="#">US20160286898</a> | A1 | 2016-10-06 | US20160286898 |
| <a href="#">EP3075277</a>     | A2 | 2016-10-05 | EP3075277     |

**Abstract**

(EP3545784)

The present invention relates to a **shoe** upper for a sports **shoe**, comprising (a.) a first layer with a first surface and an opposing second surface; (b.) a first yarn section with a first diameter, wherein the first yarn section is arranged on the first surface of the first layer; (c.) a second yarn section with a second diameter, wherein the second yarn section is arranged on the first surface of the first layer; (d.) wherein the first yarn section and the second yarn section comprise at least one parallel portion in which the first yarn section is essentially parallel to the second yarn section, and (e.) wherein the distance between the first yarn section and the second yarn section is smaller than the larger of the first diameter and the second diameter.

**Inventors**

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ROBINSON EDWARD

**Latest standardized assignees - inventors removed**

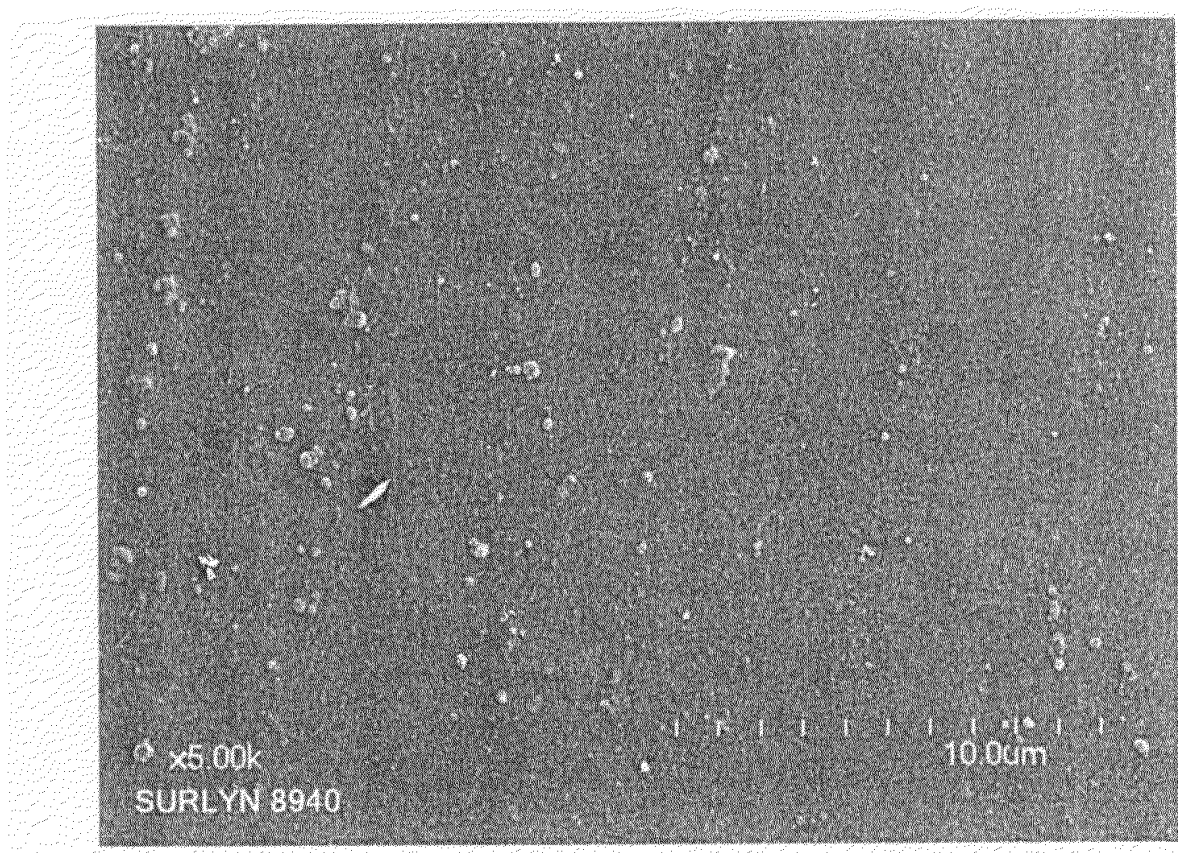
ADIDAS

Family 4/14 - FAMPAT - ©Questel

**Title**

(WO2007100884)

Modification of polymeric materials for increased adhesion

**Images****Publication numbers with kind code & date**

|                               |    |            |               |
|-------------------------------|----|------------|---------------|
| <a href="#">CN101389469</a>   | A  | 2009-03-18 | CN101389469   |
| <a href="#">KR20080110596</a> | A  | 2008-12-18 | KR20080110596 |
| <a href="#">US20080276497</a> | A1 | 2008-11-13 | US20080276497 |
| <a href="#">WO2007/100884</a> | A3 | 2007-10-25 | WO2007100884  |
| <a href="#">WO2007/100884</a> | A2 | 2007-09-07 | WO2007100884  |

**Abstract**

(WO2007/100884)

A method of improving the adhesion of primers and adhesives to the surface of a polymeric material is provided. In this method, the adhesion is improved by modifying the polymeric material with a filler. Preferably, the filler comprises hollow microspheres or nanoparticles. Silica is a preferred filler.

**Inventors**

CHOU RICHARD T

KIM KYE HYUN

**Latest standardized assignees - inventors removed**

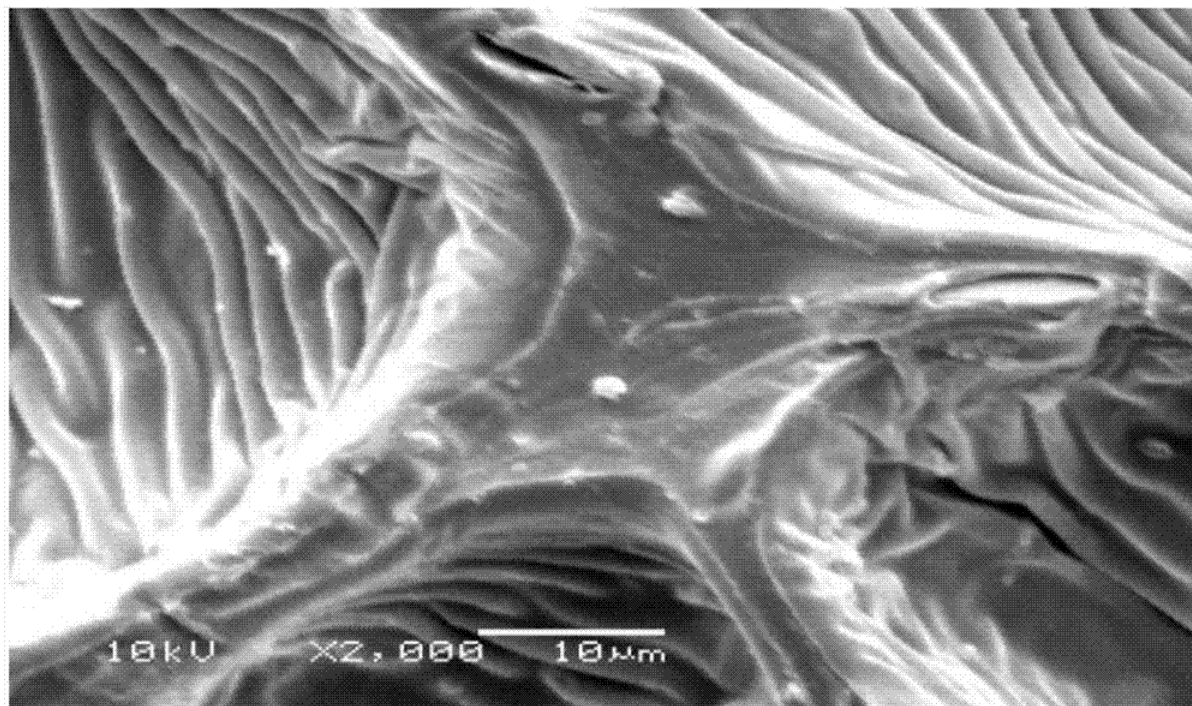
DU PONT DE NEMOURS

Family 5/14 - FAMPAT - ©Questel

**Title**

(CN106108236)

Multipurpose outdoor sports shoes

**Images****Publication numbers with kind code & date**

|                             |   |            |              |
|-----------------------------|---|------------|--------------|
| <a href="#">CN106108236</a> | B | 2017-09-22 | CN106108236B |
| <a href="#">CN106108236</a> | A | 2016-11-16 | CN106108236  |

**Abstract**

(CN106108236)

The invention discloses multipurpose outdoor sports shoes. The sports **shoe** comprises a composite sole, a composite insole, and a composite vamp cloth. The composite sole is formed by combining an EVA injection molding midsole, a rubber outsole, and an injection molding arch supporting frame in sequence. The composite insole is formed by combining a modified EVA foaming insole and an insole cloth. The composite vamp cloth is formed by a **shoe** fabric and a **shoe** lining which are overlaid in sequence. The insole cloth is a blended fabric of bastose and chemical fibers. The **shoe** fabric is a blended fabric obtained by fibers through blending. The sports shoes have relatively good damping function, and relatively good half sole bending resistance performance and midsole torque resistance function. Through tests, the **shoe** can bend for 100 thousand times in normal temperature, and has no broken surface and no glue failure. The **shoe** can bend for 40 thousand times in low temperature of -20 DEG C, and has no broken surface and no glue failure. The sports shoes have relatively good no-skid property, and the sports shoes have relatively good ageing-resistant performance and wash resistance performance.

**Inventors**

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**Latest standardized assignees - inventors removed**

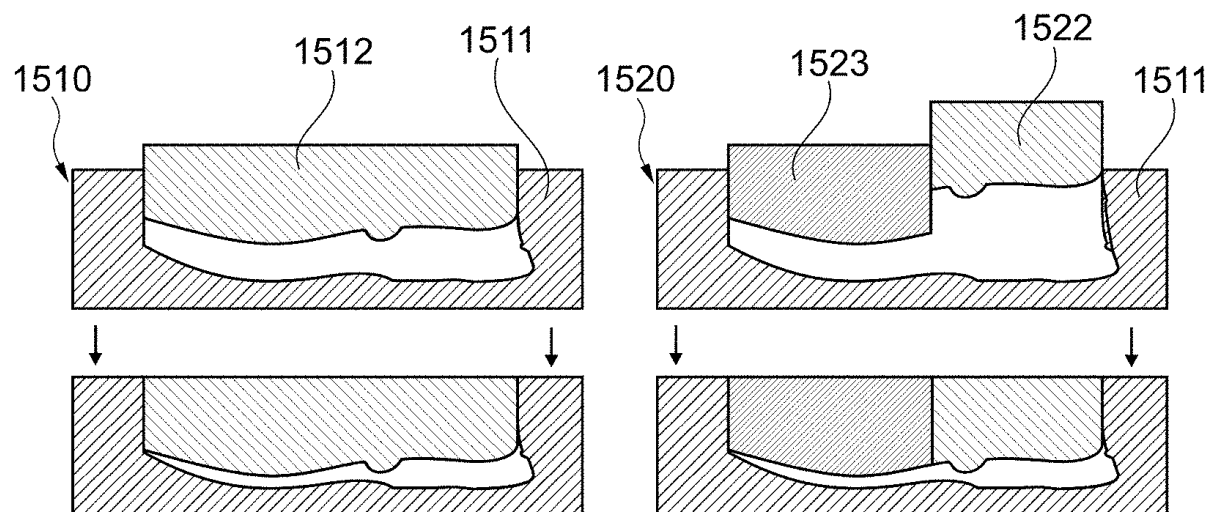
QUARTERMASTER EQUIPMENT RESEARCH INSTITUTE THE GENERAL LOGISITIC DEPARTMENT OF PLA  
HUBEI FLEET FOOTWEAR  
LI NING SPORTS GOODS

Family 6/14 - FAMPAT - ©Questel

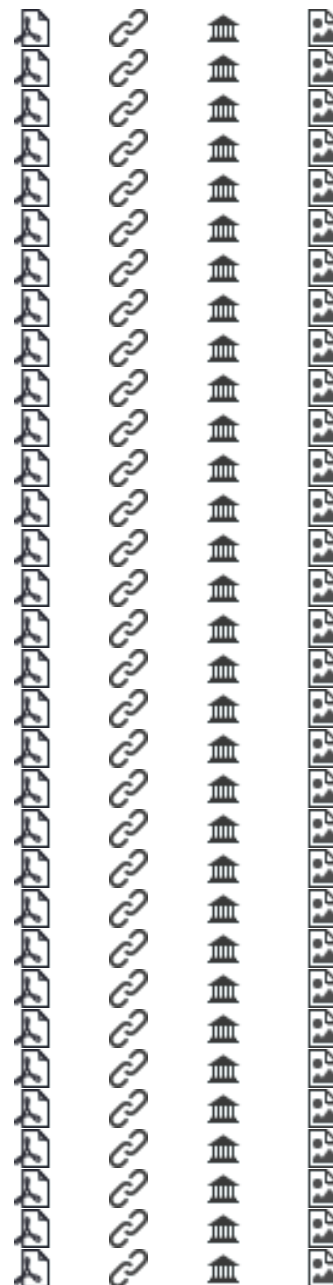
**Title**

(EP3381311)

Soles for sports shoes

**Images****Publication numbers with kind code & date**

|                                |    |            |                |
|--------------------------------|----|------------|----------------|
| <a href="#">US20200315290</a>  | A1 | 2020-10-08 | US20200315290  |
| <a href="#">US10716358</a>     | B2 | 2020-07-21 | US10716358     |
| <a href="#">EP3114955</a>      | B1 | 2020-03-11 | EP3114955      |
| <a href="#">EP3114954</a>      | B1 | 2020-02-26 | EP3114954      |
| <a href="#">EP3114956</a>      | B1 | 2020-02-26 | EP3114956      |
| <a href="#">JP2020011087</a>   | A  | 2020-01-23 | JP2020011087   |
| <a href="#">DE102012206094</a> | B4 | 2019-12-05 | DE102012206094 |
| <a href="#">JP6592128</a>      | B2 | 2019-10-16 | JP6592128      |
| <a href="#">EP3391767</a>      | A1 | 2018-10-24 | EP3391767      |
| <a href="#">EP3381311</a>      | A1 | 2018-10-03 | EP3381311      |
| <a href="#">CN108606404</a>    | A  | 2018-10-02 | CN108606404    |
| <a href="#">CN108606405</a>    | A  | 2018-10-02 | CN108606405    |
| <a href="#">CN108497612</a>    | A  | 2018-09-07 | CN108497612    |
| <a href="#">CN108497613</a>    | A  | 2018-09-07 | CN108497613    |
| <a href="#">CN108497619</a>    | A  | 2018-09-07 | CN108497619    |
| <a href="#">JP2018089433</a>   | A  | 2018-06-14 | JP2018089433   |
| <a href="#">CN103371564</a>    | B  | 2018-06-01 | CN103371564B   |
| <a href="#">JP6319944</a>      | B2 | 2018-05-09 | JP6319944      |
| <a href="#">US20180035755</a>  | A1 | 2018-02-08 | US20180035755  |
| <a href="#">US9820528</a>      | B2 | 2017-11-21 | US9820528      |
| <a href="#">US9795186</a>      | B2 | 2017-10-24 | US9795186      |
| <a href="#">US9788598</a>      | B2 | 2017-10-17 | US9788598      |
| <a href="#">US9788606</a>      | B2 | 2017-10-17 | US9788606      |
| <a href="#">US9781974</a>      | B2 | 2017-10-10 | US9781974      |
| <a href="#">EP3114954</a>      | A1 | 2017-01-11 | EP3114954      |
| <a href="#">EP3114955</a>      | A1 | 2017-01-11 | EP3114955      |
| <a href="#">EP3114956</a>      | A1 | 2017-01-11 | EP3114956      |
| <a href="#">EP2649896</a>      | B1 | 2016-10-12 | EP2649896      |
| <a href="#">US20160128426</a>  | A1 | 2016-05-12 | US20160128426  |
| <a href="#">US20140366403</a>  | A1 | 2014-12-18 | US20140366403  |
| <a href="#">US20140366404</a>  | A1 | 2014-12-18 | US20140366404  |
| <a href="#">US20140366405</a>  | A1 | 2014-12-18 | US20140366405  |



|                |    |            |                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|----------------|----|------------|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| EP2649896      | A3 | 2014-12-03 | EP2649896      |   |   |   |   |
| US20130291409  | A1 | 2013-11-07 | US20130291409  |  |  |  |  |
| CN103371564    | A  | 2013-10-30 | CN103371564    |  |  |  |  |
| JP2013220354   | A  | 2013-10-28 | JP2013220354   |  |  |  |  |
| DE102012206094 | A1 | 2013-10-17 | DE102012206094 |  |  |  |  |
| EP2649896      | A2 | 2013-10-16 | EP2649896      |  |  |  |  |

**Abstract**

(EP3381311)

The present invention relates to sole for shoes, in particular for sports shoes, as well as methods for their manufacture. According to an aspect of the invention, an insole for arrangement within an upper of a **shoe**, in particular a sports **shoe**, is provided, wherein the insole comprises a first partial region with a first expanded thermoplastic polyurethane (TPU).

**Inventors**

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WHITEMAN JOHN

WOOD DARREN MICHAEL

**Latest standardized assignees - inventors removed**

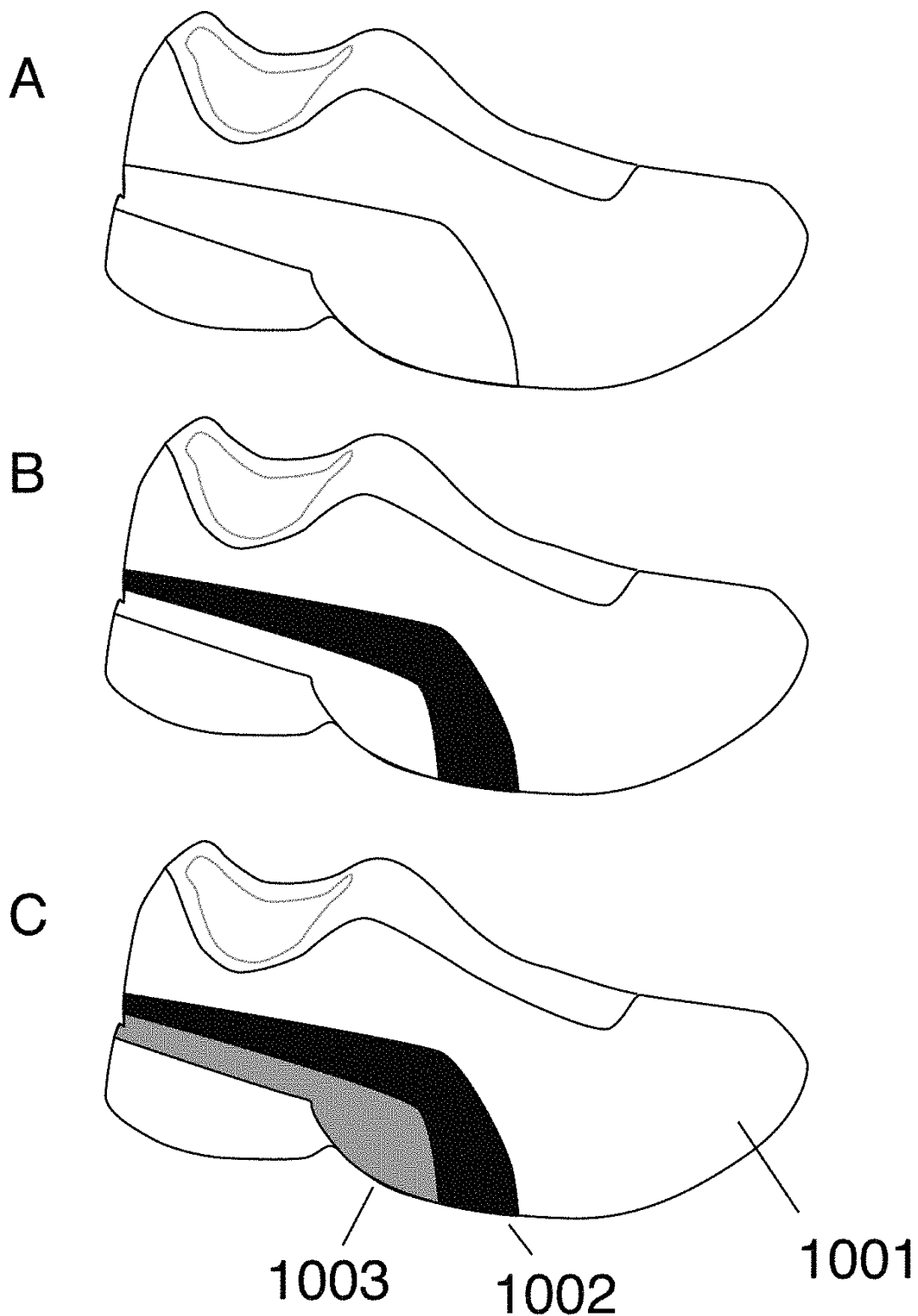
ADIDAS

Family 7/14 - FAMPAT - ©Questel

**Title**

(EP2467038)

Reconfigurable shoes and apparel and docking assembly therefor

**Images****Publication numbers with kind code & date**[US10314360](#)

B2 2019-06-11

US10314360

[US20170006956](#)

A1 2017-01-12

US20170006956



|                               |    |            |               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------|----|------------|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <a href="#">JP5425308</a>     | B2 | 2014-02-26 | JP5425308     |   |   |   |   |
| <a href="#">JP2013501594</a>  | A  | 2013-01-17 | JP2013501594  |  |  |  |  |
| <a href="#">US20120199222</a> | A1 | 2012-08-09 | US20120199222 |  |  |  |  |
| <a href="#">EP2467038</a>     | A2 | 2012-06-27 | EP2467038     |  |  |  |  |
| <a href="#">CN102481033</a>   | A  | 2012-05-30 | CN102481033   |  |  |  |  |
| <a href="#">AU2010282444</a>  | A1 | 2012-03-08 | AU2010282444  |  |  |  |  |
| <a href="#">TW201116223</a>   | A  | 2011-05-16 | TW201116223   |  |  |  |  |
| <a href="#">WO2011/019961</a> | A3 | 2011-05-12 | WO201119961   |  |  |  |  |
| <a href="#">WO2011/019961</a> | A2 | 2011-02-17 | WO201119961   |  |  |  |  |

**Abstract**

(EP2467038)

Provided herein are methods for the modulation of appearance or material properties within items of apparel or equipment. Also provided herein are design articles having alterable designs. Generally, such design articles comprise (1) a microfluidic circuit, and (2) an inlet and an outlet, the alterable design capable of being modulated through use of a docking system to deliver fluid to the microfluidic circuit.

**Inventors**

SULLIVAN BENJAMIN DAVID

TRUITT NICOLE JUSTIS

**Latest standardized assignees - inventors removed**

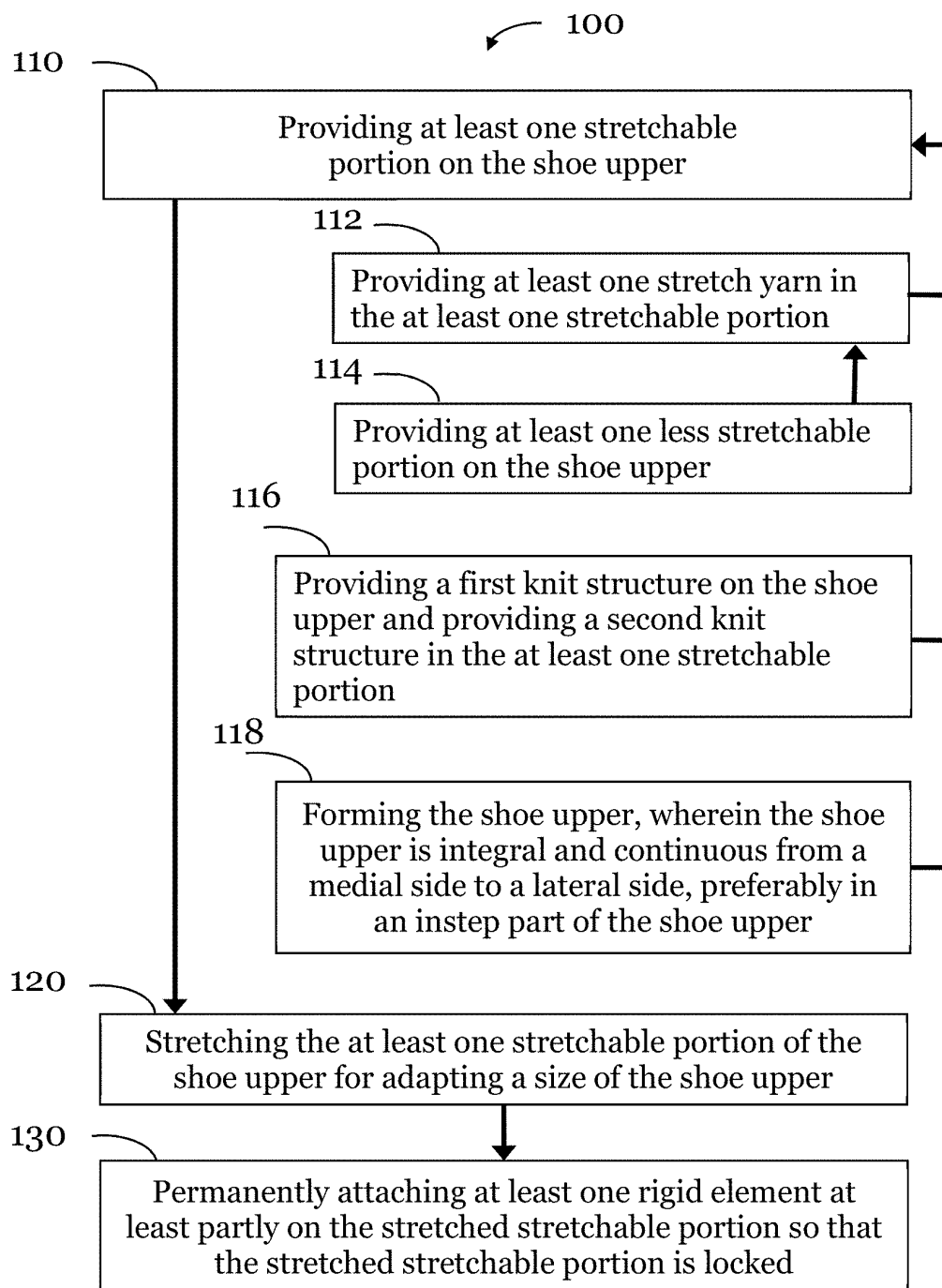
CODE FLUIDICS

CODE **FOOTWEAR**

Family 8/14 - FAMPAT - ©Questel

**Title**

(EP3501316)

Method for manufacturing a **shoe** upper**Images****Publication numbers with kind code & date**

|                                |    |            |                |
|--------------------------------|----|------------|----------------|
| <a href="#">US20190231021</a>  | A1 | 2019-08-01 | US20190231021  |
| <a href="#">CN109953403</a>    | A  | 2019-07-02 | CN109953403    |
| <a href="#">DE102017223737</a> | A1 | 2019-06-27 | DE102017223737 |
| <a href="#">EP3501316</a>      | A1 | 2019-06-26 | EP3501316      |

**Abstract**

(EP3501316)

The present invention relates to a method (100) for manufacturing a **shoe** upper (200; 305), comprising the steps of: (a.) providing (110) at least one stretchable portion (210; 310) on the **shoe** upper (200; 305); (b.) stretching (120) the at least one stretchable portion (210; 310) of the **shoe** upper (200; 305) for adapting a size of the **shoe** upper (200;305); and (c.)

permanently attaching (130) at least one rigid element (220; 320) at least partly on the stretched stretchable portion (210; 310) so that the stretched stretchable portion (210; 310) is locked.

**Inventors**

HOYING BRIAN

LESLIE ANDREW

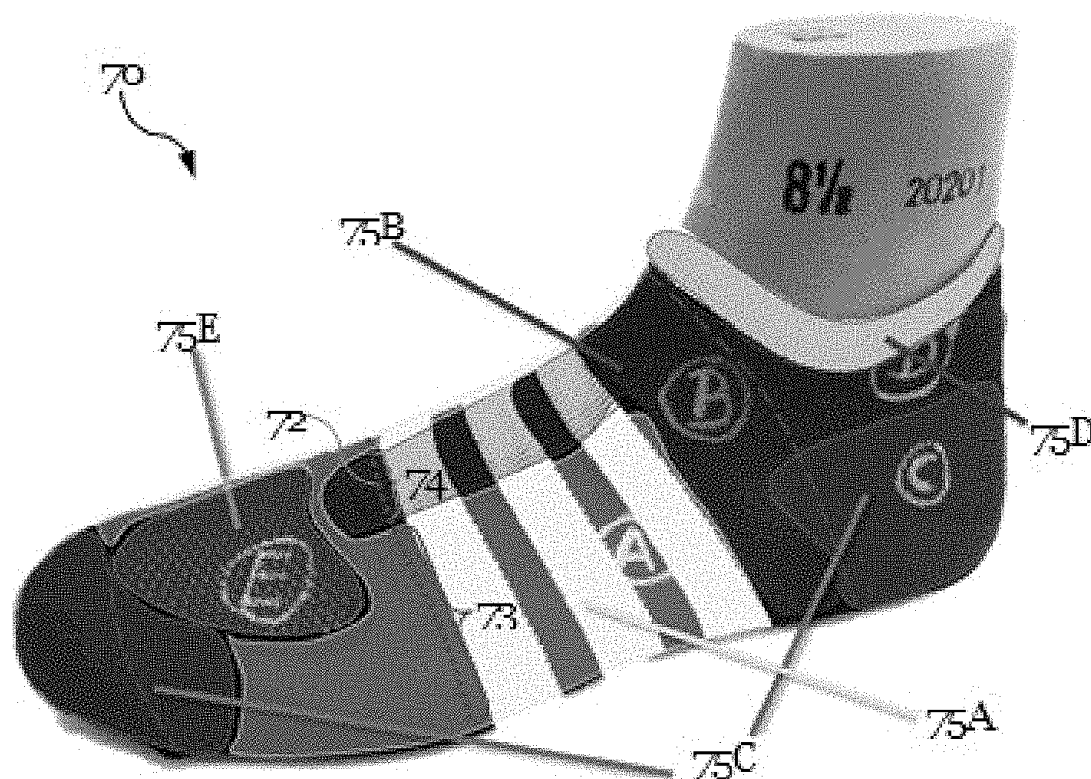
**Latest standardized assignees - inventors removed**

ADIDAS

Family 9/14 - FAMPAT - ©Questel

**Title**

(EP3508628)

Circular knit **shoe** upper and methods of making same**Images****Publication numbers with kind code & date**

|                                |    |            |                |
|--------------------------------|----|------------|----------------|
| <a href="#">DE102017223746</a> | A1 | 2019-08-22 | DE102017223746 |
| <a href="#">CN110013069</a>    | A  | 2019-07-16 | CN110013069    |
| <a href="#">US20190208862</a>  | A1 | 2019-07-11 | US20190208862  |
| <a href="#">EP3508628</a>      | A1 | 2019-07-10 | EP3508628      |

**Abstract**

(EP3508628)

The present invention relates to a **shoe** upper knitted on a circular knitting machine, comprising an elongated hollow knit structure, comprising: a first zone 92 comprising a first predetermined property; a second zone 93 comprising a second predetermined property; wherein the elongated hollow knit structure comprises less than ten distinct ply types of yarn comprising less than five distinct materials.

**Inventors**

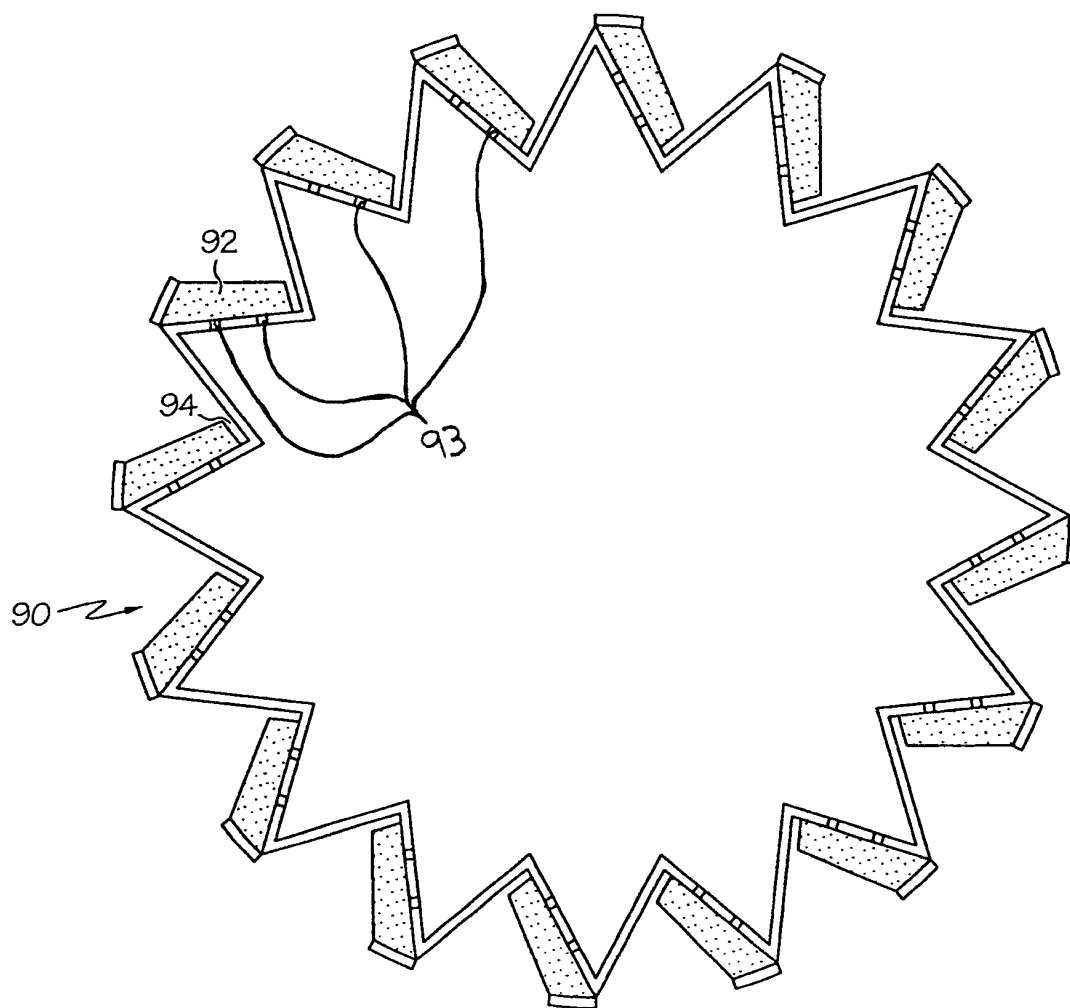
POEGL FLORIAN  
FISCHHOLD MARCO  
HOYING BRIAN  
GEYER HARALD  
BEER MATHIAS SIMON  
GRIES THOMAS

**Latest standardized assignees - inventors removed**

ADIDAS

Family 10/14 - FAMPAT - ©Questel

**Title**  
(WO2009140004)  
A device and system for well completion and control and method for completing and controlling a well

**Images****Publication numbers with kind code & date**

|                               |    |            |               |
|-------------------------------|----|------------|---------------|
| <a href="#">US9085953</a>     | B2 | 2015-07-21 | US9085953     |
| <a href="#">US8776881</a>     | B2 | 2014-07-15 | US8776881     |
| <a href="#">CA2668983</a>     | C  | 2013-12-03 | CA2668983     |
| <a href="#">US8555958</a>     | B2 | 2013-10-15 | US8555958     |
| <a href="#">US20130098630</a> | A1 | 2013-04-25 | US20130098630 |
| <a href="#">GB2474174</a>     | B  | 2012-10-24 | GB2474174     |
| <a href="#">CA2675191</a>     | C  | 2012-05-29 | CA2675191     |
| <a href="#">US8171999</a>     | B2 | 2012-05-08 | US8171999     |
| <a href="#">US8159226</a>     | B2 | 2012-04-17 | US8159226     |
| <a href="#">US8151875</a>     | B2 | 2012-04-10 | US8151875     |
| <a href="#">US8113292</a>     | B2 | 2012-02-14 | US8113292     |
| <a href="#">US8069919</a>     | B2 | 2011-12-06 | US8069919     |
| <a href="#">US7931081</a>     | B2 | 2011-04-26 | US7931081     |
| <a href="#">GB2474174</a>     | A  | 2011-04-06 | GB2474174     |
| <a href="#">US7913755</a>     | B2 | 2011-03-29 | US7913755     |
| <a href="#">US20110056680</a> | A1 | 2011-03-10 | US20110056680 |
| <a href="#">US20110056688</a> | A1 | 2011-03-10 | US20110056688 |



|               |    |            |               |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|---------------|----|------------|---------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| GB201101007   | D0 | 2011-03-09 | GB201101007   |     |     |     |     |
| US7819190     | B2 | 2010-10-26 | US7819190     |    |    |    |    |
| US7814974     | B2 | 2010-10-19 | US7814974     |    |    |    |    |
| US7789151     | B2 | 2010-09-07 | US7789151     |    |    |    |    |
| US7789152     | B2 | 2010-09-07 | US7789152     |    |    |    |    |
| US7775277     | B2 | 2010-08-17 | US7775277     |    |    |    |    |
| WO2010/005883 | A3 | 2010-05-06 | WO201005883   |    |    |    |    |
| WO2009/158327 | A3 | 2010-04-01 | WO2009158327  |    |    |    |    |
| CA2675191     | A1 | 2010-02-15 | CA2675191     |    |    |    |    |
| CA2730228     | A1 | 2010-01-14 | CA2730228     |    |    |    |    |
| WO2010/005883 | A2 | 2010-01-14 | WO201005883   |    |    |    |    |
| WO2009/140004 | A3 | 2009-12-30 | WO2009140004  |    |    |    |    |
| WO2009/158327 | A2 | 2009-12-30 | WO2009158327  |    |    |    |    |
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| US20090283255 | A1 | 2009-11-19 | US20090283255 |    |    |    |    |
| US20090283256 | A1 | 2009-11-19 | US20090283256 |    |    |    |    |
| US20090283262 | A1 | 2009-11-19 | US20090283262 |    |    |    |    |
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| US20090283264 | A1 | 2009-11-19 | US20090283264 |    |    |    |    |
| US20090283267 | A1 | 2009-11-19 | US20090283267 |    |    |    |    |
| US20090283268 | A1 | 2009-11-19 | US20090283268 |   |   |   |   |
| US20090283270 | A1 | 2009-11-19 | US20090283270 |  |  |  |  |
| US20090283271 | A1 | 2009-11-19 | US20090283271 |  |  |  |  |
| US20090283272 | A1 | 2009-11-19 | US20090283272 |  |  |  |  |
| US20090283278 | A1 | 2009-11-19 | US20090283278 |  |  |  |  |
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| WO2009/140004 | A2 | 2009-11-19 | WO2009140004  |                                                                                       |                                                                                       |  |                                                                                       |
| US20090101356 | A1 | 2009-04-23 | US20090101356 |                                                                                       |                                                                                       |  |                                                                                       |
| US20090101360 | A1 | 2009-04-23 | US20090101360 |                                                                                       |                                                                                       |  |                                                                                       |

**Abstract**

(WO2009/140004)

A drill-in liner assembly including a tubular and a plurality of substantially oriented openings in the tubular arranged in a pattern; the pattern selected to substantially maintain torsional strength of the tubular while facilitating in-flow of target fluid. Also including a plurality of beaded matrix plugs disposed within one or more of the plurality of openings such that torsional load placed upon the plurality of openings in the tubular is borne by the plugs. An erosion resistant filtering arrangement including a tubular, a plurality of openings in the tubular arranged in a pattern, and a plurality of beaded matrix plugs disposed within one or more of the plurality of openings.

**Inventors**

JOHNSON MICHAEL H

O'BRIEN ROBERT

**Latest standardized assignees - inventors removed**

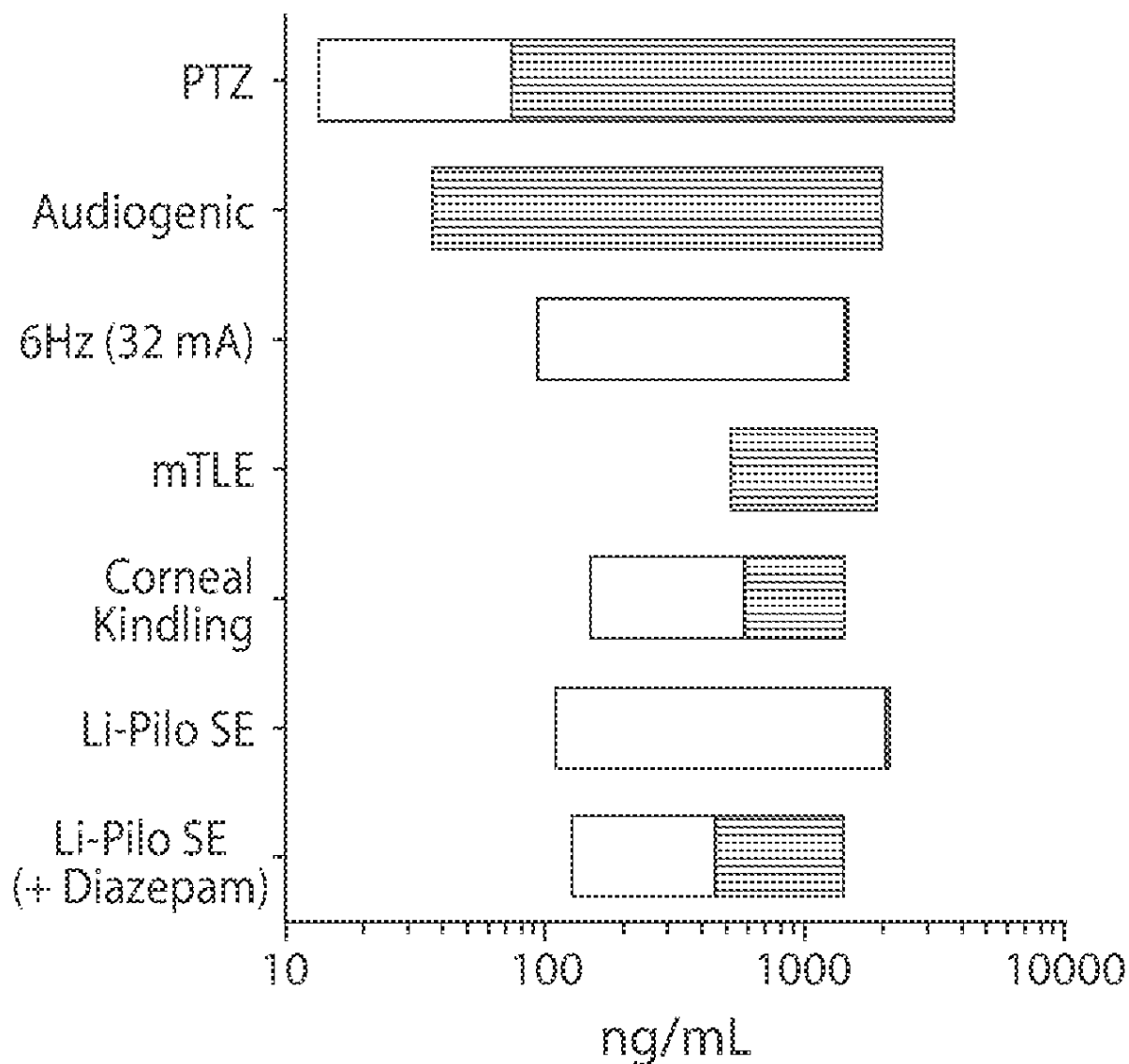
BAKER HUGHES

Family 11/14 - FAMPAT - ©Questel

**Title**

(EP3426257)

Neuroactive steroids, compositions, and uses thereof

**Images**
 Active dose plasma level
**Publication numbers with kind code & date**

|                |    |            |                |
|----------------|----|------------|----------------|
| US20200306265  | A1 | 2020-10-01 | US20200306265  |
| US20200171049  | A1 | 2020-06-04 | US20200171049  |
| RU2018135079   | A3 | 2020-04-16 | RU2018135079   |
| RU2018135079   | A  | 2020-04-08 | RU2018135079   |
| HK1258616      | A1 | 2019-11-15 | HK1258616      |
| EP3426257      | A4 | 2019-11-13 | EP3426257      |
| ZA201805905    | B  | 2019-07-31 | ZA201805905    |
| PH12018501923  | A1 | 2019-07-01 | PH12018501923  |
| JP2019511488   | A  | 2019-04-25 | JP2019511488   |
| BR112018067998 | A2 | 2019-04-16 | BR112018067998 |
| MX2018010902   | A  | 2019-03-06 | MX2018010902   |
| CN109414444    | A  | 2019-03-01 | CN109414444    |
| EP3426257      | A1 | 2019-01-16 | EP3426257      |
| IN201817037767 | A  | 2018-12-21 | IN201817037767 |



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| <a href="#">IL261658</a>          | A  | 2018-10-31 | IL-261658      |   |   |   |   |
| <a href="#">SG11201807785V</a>    | A  | 2018-10-30 | SG11201807785V |  |  |                                                                                     |  |
| <a href="#">KR10-2018-0115797</a> | A  | 2018-10-23 | KR20180115797  |  |  |                                                                                     |  |
| <a href="#">BR112018067998</a>    | A1 | 2018-10-16 | BR112018067998 |  |  |  |  |
| <a href="#">AU2017229656</a>      | A1 | 2018-10-11 | AU2017229656   |  |  |  |  |
| <a href="#">TW201733592</a>       | A  | 2017-10-01 | TW201733592    |  |  |  |  |
| <a href="#">CA3017172</a>         | A1 | 2017-09-14 | CA3017172      |  |  |  |  |
| <a href="#">WO2017/156103</a>     | A1 | 2017-09-14 | WO2017156103   |  |  |  |  |

**Abstract**

(EP3426257)

Described herein are methods of treating a disorder, e.g., tremor, e.g., essential tremor; depression, e.g., postpostum depression; and anxiety disorder, the method comprising administering to a human subject suffering from a disorder, e.g., tremor, e.g., essential tremor; depression, e.g., postpostum depression, an anxiety disorder with a neuroactive steroid or a composition comprising a neuroactive steroid (e.g., pregnanolone, allopregnanolone, alphadalone, ganaxolone, or alphaxolone).

**Inventors**

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**Latest standardized assignees - inventors removed**

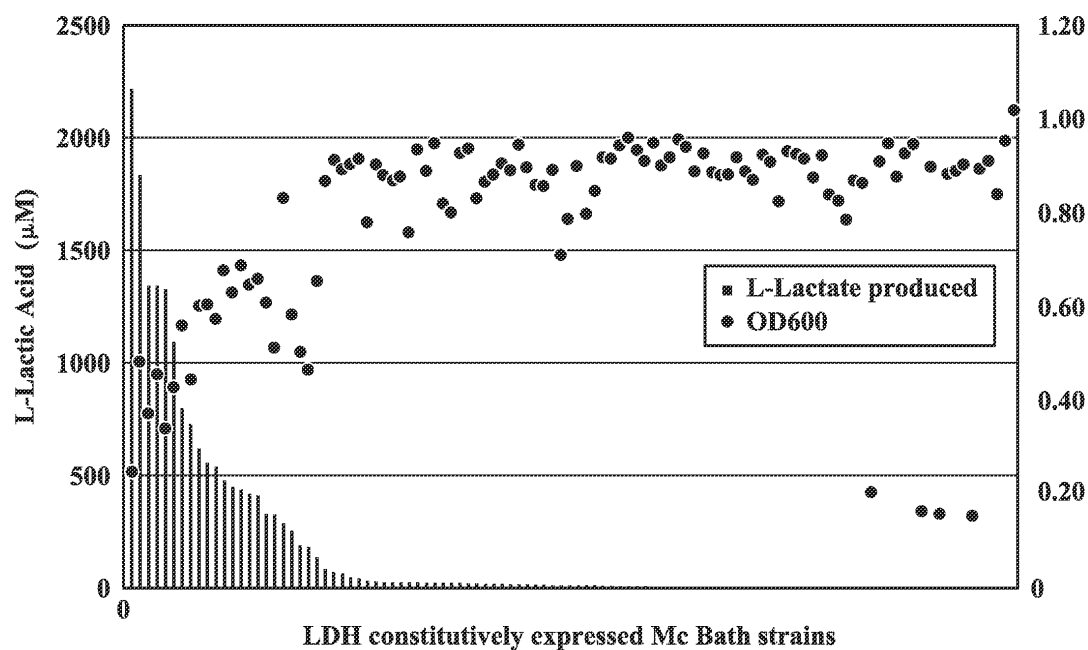
SAGE THERAPEUTICS

Family 12/14 - FAMPAT - ©Questel

**Title**

(EP3011017)

Compositions and methods for biological production of lactate from c1 compounds using lactate dehydrogenase transformants

**Images****Publication numbers with kind code & date**

|                                   |    |            |                               |
|-----------------------------------|----|------------|-------------------------------|
| <a href="#">RU2710714</a>         | C9 | 2020-10-06 | <a href="#">RU2710714</a>     |
| <a href="#">ES2757913</a>         | T3 | 2020-04-30 | <a href="#">ES2757913</a>     |
| <a href="#">RU2710714</a>         | C2 | 2020-01-10 | <a href="#">RU2710714</a>     |
| <a href="#">DK3011017</a>         | T3 | 2019-11-25 | <a href="#">DK3011017T</a>    |
| <a href="#">US10450548</a>        | B2 | 2019-10-22 | <a href="#">US10450548</a>    |
| <a href="#">EP3011017</a>         | B1 | 2019-09-11 | <a href="#">EP3011017</a>     |
| <a href="#">RU2015151210</a>      | A  | 2017-07-20 | <a href="#">RU2015151210</a>  |
| <a href="#">US20160369246</a>     | A1 | 2016-12-22 | <a href="#">US20160369246</a> |
| <a href="#">EP3011017</a>         | A1 | 2016-04-27 | <a href="#">EP3011017</a>     |
| <a href="#">CN105378077</a>       | A  | 2016-03-02 | <a href="#">CN105378077</a>   |
| <a href="#">KR10-2016-0020445</a> | A  | 2016-02-23 | <a href="#">KR20160020445</a> |
| <a href="#">CA2914641</a>         | A1 | 2014-12-24 | <a href="#">CA2914641</a>     |
| <a href="#">WO2014/205146</a>     | A1 | 2014-12-24 | <a href="#">WO2014205146</a>  |

**Abstract**

(EP3011017)

The present disclosure provides non-naturally occurring c1 microorganisms useful for the production of lactate and related compositions, as well as methods for the biological production of lactate. In specific embodiments, the present disclosure provides non-naturally occurring methanotrophic bacteria which are useful for producing lactate from c1 substrates.

**Inventors**

SAVILLE RENEE M

LEE SUNGWON

REGITSKY DREW D

RESNICK SOL M

SILVERMAN JOSHUA

**Latest standardized assignees - inventors removed**

CALYSTA

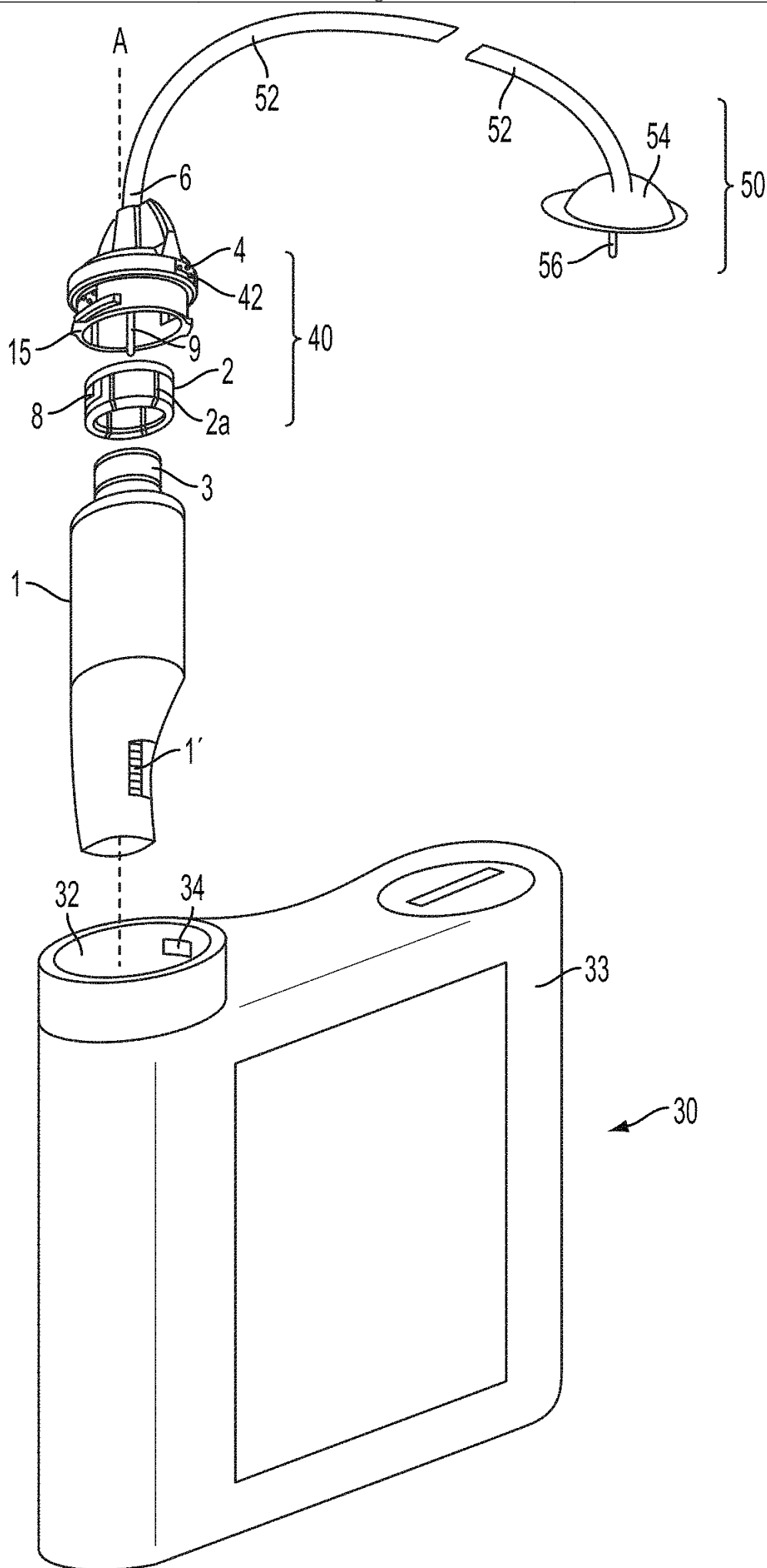
Family 13/14 - FAMPAT - ©Questel

**Title**

(EP3171914)

Smart connection interface

**Images**



**Publication numbers with kind code & date**

|                   |    |            |                |
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| US10821222        | B2 | 2020-11-03 | US10821222     |
| US10786620        | B2 | 2020-09-29 | US10786620     |
| AU2020203469      | A1 | 2020-06-18 | AU2020203469   |
| RU2719928         | C2 | 2020-04-23 | RU2719928      |
| AU2018241148      | B2 | 2020-02-27 | AU2018241148   |
| US10532150        | B2 | 2020-01-14 | US10532150     |
| JP2019202182      | A  | 2019-11-28 | JP2019202182   |
| RU2019112138      | A3 | 2019-11-07 | RU2019112138   |
| JP6568266         | B2 | 2019-08-28 | JP6568266      |
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| US10376632        | B2 | 2019-08-13 | US10376632     |
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| CN109998917       | A  | 2019-07-12 | CN109998917    |
| RU2019112138      | A  | 2019-05-29 | RU2019112138   |
| RU2687011         | C2 | 2019-05-06 | RU2687011      |
| CN105536095       | B  | 2019-03-15 | CN105536095B   |
| US20190076597     | A1 | 2019-03-14 | US20190076597  |
| US20190070358     | A1 | 2019-03-07 | US20190070358  |
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| US10166327        | B2 | 2019-01-01 | US10166327     |
| KR10-2018-0125609 | A  | 2018-11-23 | KR20180125609  |
| KR10-1920579      | B1 | 2018-11-20 | KR101920579    |
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| US20180169323     | A1 | 2018-06-21 | US20180169323  |
| US20180169324     | A1 | 2018-06-21 | US20180169324  |
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| US9931459         | B2 | 2018-04-03 | US9931459      |
| US9931460         | B2 | 2018-04-03 | US9931460      |
| US9925330         | B2 | 2018-03-27 | US9925330      |
| BR112017001256    | A2 | 2017-12-19 | BR112017001256 |
| US20170333620     | A1 | 2017-11-23 | US20170333620  |
| US20170333621     | A1 | 2017-11-23 | US20170333621  |
| US20170312421     | A1 | 2017-11-02 | US20170312421  |
| US9789245         | B2 | 2017-10-17 | US9789245      |
| US9744290         | B2 | 2017-08-29 | US9744290      |
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| JP2017521186      | A  | 2017-08-03 | JP2017521186   |
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| IN201617042366    | A  | 2017-03-24 | IN201617042366 |
| KR10-2017-0032412 | A  | 2017-03-22 | KR20170032412  |
| US20170072135     | A1 | 2017-03-16 | US20170072135  |
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| FR3023725      | B3 | 2016-08-05 | FR3023725      |    |    |    |    |
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| DE202015103758 | U1 | 2016-03-17 | DE202015103758 |    |    |    |    |
| DE202015103763 | U1 | 2016-03-17 | DE202015103763 |    |    |    |    |
| DE202015103765 | U1 | 2016-03-17 | DE202015103765 |    |    |    |    |
| DE202015103755 | U1 | 2016-03-10 | DE202015103755 |    |    |    |    |
| DE202015103759 | U1 | 2016-03-03 | DE202015103759 |   |   |   |   |
| DE202015103761 | U1 | 2016-03-03 | DE202015103761 |  |  |  |  |
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| CA3030922      | A1 | 2016-01-28 | CA3030922      |  |  |  |  |
| WO2016/014365  | A1 | 2016-01-28 | WO201614365    |  |  |  |  |
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| FR3023720      | A3 | 2016-01-22 | FR3023720      |  |  |  |  |
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| FR3023722      | A3 | 2016-01-22 | FR3023722      |  |  |  |  |
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| FR3023724      | A3 | 2016-01-22 | FR3023724      |  |  |  |  |
| FR3023725      | A3 | 2016-01-22 | FR3023725      |  |  |  |  |
| US20160015885  | A1 | 2016-01-21 | US20160015885  |  |  |  |  |
| US20160015886  | A1 | 2016-01-21 | US20160015886  |  |  |  |  |
| US20160015887  | A1 | 2016-01-21 | US20160015887  |  |  |  |  |
| US20160015888  | A1 | 2016-01-21 | US20160015888  |  |  |  |  |
| US20160015911  | A1 | 2016-01-21 | US20160015911  |  |  |  |  |
| US20160015956  | A1 | 2016-01-21 | US20160015956  |  |  |  |  |
| US20160015957  | A1 | 2016-01-21 | US20160015957  |  |  |  |  |

## Abstract

(EP3171914)

A method and apparatus for a connection interface between a reservoir or syringe, infusion set tubing, and an infusion pump is provided. The reservoir, a base and a cap are connected to form an integrated unit that is capable of being inserted and secured in an infusion pump housing. The cap and the infusion pump are each provided with at least one sensor or at least one detectable feature, arranged to interact with at least one corresponding detectable feature or sensor on the other of the cap and infusion pump device, to detect one or more of the presence, position or other characteristic of the cap when the cap is aligned or coupled with the infusion pump housing. The detectable feature and sensor may be magnetic, RF, mechanical, optical or any combination.

## Inventors

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WAGNER JENNIFER L  
LIN MARK  
IBRANYAN ARSEN  
TIECK R MARIE  
TROCK ADAM S  
LORENZEN ERIC M

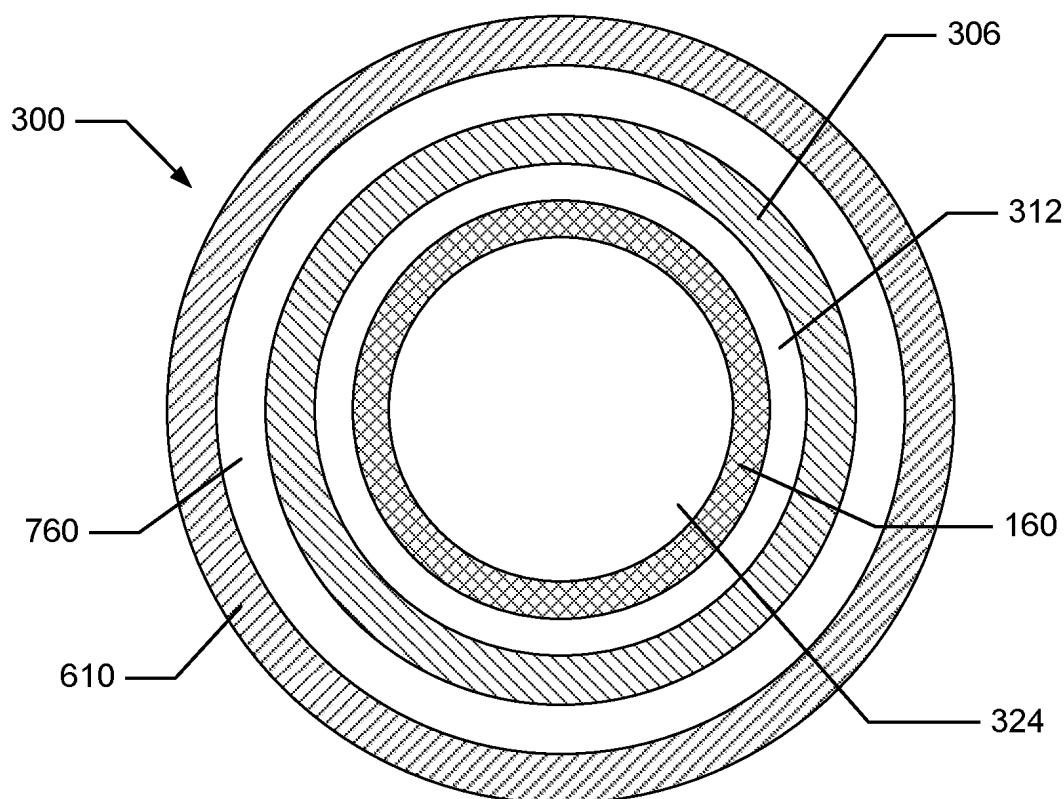
**Latest standardized assignees - inventors removed**

MEDTRONIC MINIMED

(EP3193746)

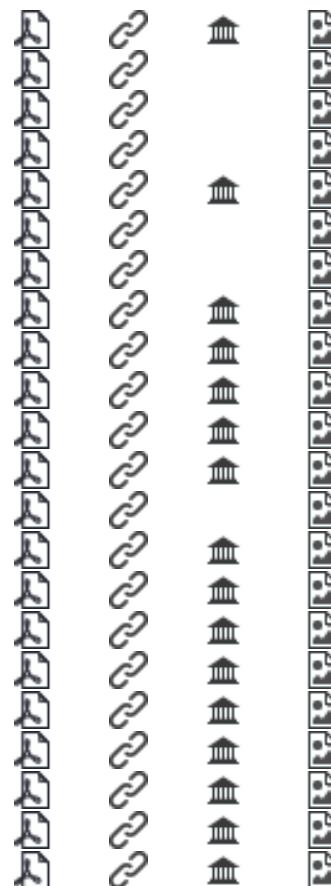
# Expandable body device and method of use

## Images



### Publication numbers with kind code & date

|                |    |            |                |
|----------------|----|------------|----------------|
| AU2020205241   | A1 | 2020-07-30 | AU2020205241   |
| RU2020115524   | A  | 2020-06-05 | RU2020115524   |
| RU2721288      | C2 | 2020-05-18 | RU2721288      |
| RU2017112929   | A3 | 2019-04-23 | RU2017112929   |
| EP3193746      | A4 | 2018-10-31 | EP3193746      |
| HK1248499      | A1 | 2018-10-19 | HK1248499      |
| RU2017112929   | A  | 2018-10-18 | RU2017112929   |
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| BR112017005170 | A2 | 2017-12-05 | BR112017005170 |
| JP2017528247   | A  | 2017-09-28 | JP2017528247   |
| US20170245864  | A1 | 2017-08-31 | US20170245864  |
| EP3193746      | A2 | 2017-07-26 | EP3193746      |
| KR20170056666  | A  | 2017-05-23 | KR20170056666  |
| IN201737006549 | A  | 2017-05-19 | IN201737006549 |
| IL250496       | A  | 2017-03-30 | IL-250496      |
| BR112017005170 | A1 | 2017-03-28 | BR112017005170 |
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| WO2016/044647  | A4 | 2016-08-04 | WO201644647    |
| TW201620464    | A  | 2016-06-16 | TW201620464    |
| WO2016/044647  | A3 | 2016-06-02 | WO201644647    |
| CA2957601      | A1 | 2016-03-24 | CA2957601      |
| WO2016/044647  | A2 | 2016-03-24 | WO201644647    |



## Abstract

(EP3193746)

Disclosed herein are devices, designs, methods of manufacturing and using medical devices comprising expandable bodies for treating saccular vascular aneurysms and occluding segments of blood vessels and other biological conduits. Exemplary expandable bodies include hollow gold structures that can be folded, wrapped, and compressed, joined to a delivery device, advanced to location in the body of patient in need of treatment, expanded by injection of a fluid into the central void, and separated from the delivery device, remaining in place in an open, expanded form without the addition of support structures to the central void. Other expandable bodies include coiled wires that can be loaded into delivery catheters and expelled from the delivery catheters using pusher devices. Also disclosed herein, are methods of using multiple medical devices and expandable bodies where the expandable bodies are placed adjacent to each other to occlude a saccular aneurysm.

**Inventors**

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**Latest standardized assignees - inventors removed**

ARTIO MEDICAL