

Title (en)

SYSTEMS AND METHODS FOR MAKING A LAMINAR VENTRICULAR PARTITIONING DEVICE

Title (de)

SYSTEME UND VERFAHREN ZUR HERSTELLUNG EINER LAMINAREN VENTRIKULÄREN PARTITIONIERUNGSVORRICHTUNG

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR FABRIQUER UN DISPOSITIF DE SÉPARATION VENTRICULAIRE LAMINAIRE

Publication

EP 2967570 A2 20160120 (EN)

Application

EP 14716179 A 20140314

Priority

- US 201313827927 A 20130314
- US 2014027364 W 20140314

Abstract (en)

[origin: WO2014152461A2] Described herein are systems and methods for securing a polymeric sheet to rib components of a frame structure, wherein the rib components are jointed at a hub to form an expandable and collapsible implant. In general, the method may include the steps of decreasing a diameter of the frame structure; placing the frame structure into an assembly fixture, wherein the assembly fixture is configured to hold the frame structure in a loaded configuration with a decreased diameter; placing a polymeric sheet into the assembly fixture; and heating the assembly under pressure to fuse the sheet to the frame structure. In general, a fixture may include a first and second platen having a shaping portion and a rim portion positioned around the periphery of the platen, wherein the shaping portions are configured to hold the rib components of the frame structure in a loaded configuration with a decreased diameter.

IPC 8 full level

A61B 17/12 (2006.01); **A61F 2/04** (2013.01)

CPC (source: CN EP KR)

A61B 17/12122 (2013.01 - CN EP KR); **A61B 17/12172** (2013.01 - CN EP KR); **A61B 2017/00526** (2013.01 - CN EP KR); **A61B 2017/00955** (2013.01 - CN EP KR)

Citation (search report)

See references of WO 2014152461A2

Citation (examination)

- US 2008319254 A1 20081225 - NIKOLIC SERJAN D [US], et al
- US 2006030881 A1 20060209 - SHARKEY HUGH R [US], et al
- WO 2010081033 A1 20100715 - COHEREX MEDICAL INC [US], et al
- US 2006106420 A1 20060518 - DOLAN MARK J [US], et al
- US 2011054515 A1 20110303 - BRIDGEMAN JOHN [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014152461 A2 20140925; WO 2014152461 A3 20141204; AU 2014239608 A1 20150827; BR 112015021613 A2 20170718; CA 2901532 A1 20140925; CN 104042300 A 20140917; CN 104042300 B 20171128; CN 204072201 U 20150107; EP 2967570 A2 20160120; IL 240520 A0 20151029; JP 2016512141 A 20160425; KR 101713607 B1 20170309; KR 20150127242 A 20151116; KR 20170024147 A 20170306; RU 2015143955 A 20170420

DOCDB simple family (application)

US 2014027364 W 20140314; AU 2014239608 A 20140314; BR 112015021613 A 20140314; CA 2901532 A 20140314; CN 201410097592 A 20140314; CN 201420118276 U 20140314; EP 14716179 A 20140314; IL 24052015 A 20150812; JP 2016502416 A 20140314; KR 20157028718 A 20140314; KR 20177005196 A 20140314; RU 2015143955 A 20140314