Title (en)

MEDICAL DEVICE FOR IMPLANTATION INTO LUMINAL STRUCTURES INCORPORATING CORRUGATED STRUCTURAL ELEMENTS

Title (de)

MEDIZINISCHE VORRICHTUNG ZUR IMPLANTATION IN LUMINALE STRUKTUREN MIT GEWELLTEN STRUKTURELEMENTEN

Title (fr)

DISPOSITIF MÉDICAL DESTINÉ À ÊTRE IMPLANTÉ DANS DES STRUCTURES LUMINALES ET INTÉGRANT DES ÉLÉMENTS DE STRUCTURE ONDULÉS

Publication

EP 3060178 A4 20170614 (EN)

Application

EP 14855847 A 20141022

Priority

- US 201314060012 A 20131022
- US 201361895957 P 20131025
- US 201461968025 P 20140320
- US 2014061831 W 20141022

Abstract (en)

[origin: WO2015061492A1] Expandable scaffolds or stents include circumferential elements having a corrugated pattern, which can include a plurality of linear or nonlinear segments. The corrugated pattern distributes stress more uniformly along the circumferential elements, improves radial strength of the scaffolds, reduces acute recoil after deployment, and reduces creep. The scaffolds can be made from a bioabsorbable material.

IPC 8 full level

A61F 2/915 (2013.01)

CPC (source: EP)

A61F 2/915 (2013.01); A61F 2002/91508 (2013.01); A61F 2002/91525 (2013.01); A61F 2002/91566 (2013.01); A61F 2002/91575 (2013.01); A61F 2210/0004 (2013.01); A61F 2250/0098 (2013.01)

Citation (search report)

- [XY] WO 2009080327 A2 20090702 - ABBOTT LAB VASCULAR ENTPR LTD [IE], et al
- [Y] EP 1093771 A2 20010425 - MEDTRONIC INC [US]
- [Y] US 2011125251 A1 20110526 - COTTONE ROBERT J [US], et al
- [X] US 2012016458 A1 20120119 - ABUNASSAR CHAD J [US]
- [X] US 2003033003 A1 20030213 - HARRISON WILLIAM JAMES [US], et al
- See references of WO 2015061492A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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