

Title (en)
EXPANDABLE INTERVERTEBRAL CAGE WITH LIVING HINGES APPARATUS, SYSTEMS AND METHODS OF MANUFACTURE THEREOF

Title (de)
EXPANDIERBARER BANDSCHEIBEN-CAGE MIT FILMSCHARNIERVORRICHTUNG, SYSTEME UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
CAGE INTERVERTÉBRALE EXTENSIBLE AVEC DISPOSITIF À CHARNIÈRES VIVANTES, SYSTÈMES ET PROCÉDÉS DE FABRICATION ASSOCIÉS

Publication
EP 3344170 A4 20190403 (EN)

Application
EP 15903187 A 20150830

Priority
US 2015047623 W 20150830

Abstract (en)
[origin: WO2017039596A1] An expandable intervertebral cage with living hinges manufactured using 3D printing. The intervertebral cage is configured to expand from an unexpanded to an expanded configuration. The intervertebral cage can include a deployment system, such as a variable volume pouch or deployment cable, to apply force to the intervertebral cage to deploy the intervertebral cage.

IPC 8 full level
A61B 17/70 (2006.01); **A61F 2/30** (2006.01); **A61F 2/44** (2006.01); **A61F 2/46** (2006.01)

CPC (source: EP KR)
A61F 2/30942 (2013.01 - KR); **A61F 2/4455** (2013.01 - EP KR); **A61F 2/447** (2013.01 - EP KR); **A61F 2/4611** (2013.01 - EP KR); **B33Y 10/00** (2014.12 - EP); **B33Y 80/00** (2014.12 - EP); **A61F 2/30942** (2013.01 - EP); **A61F 2/4603** (2013.01 - EP); **A61F 2002/30143** (2013.01 - EP); **A61F 2002/30261** (2013.01 - EP); **A61F 2002/30471** (2013.01 - EP KR); **A61F 2002/30545** (2013.01 - EP KR); **A61F 2002/3055** (2013.01 - EP); **A61F 2002/30556** (2013.01 - EP); **A61F 2002/30581** (2013.01 - EP); **A61F 2002/30588** (2013.01 - EP); **A61F 2002/30593** (2013.01 - EP KR); **A61F 2002/30836** (2013.01 - EP); **A61F 2002/3084** (2013.01 - EP KR); **A61F 2002/30841** (2013.01 - KR); **A61F 2002/30957** (2013.01 - EP); **A61F 2002/30985** (2013.01 - EP KR); **A61F 2002/4627** (2013.01 - EP); **A61F 2310/00023** (2013.01 - EP); **A61F 2310/00389** (2013.01 - EP); **A61F 2310/00598** (2013.01 - EP); **A61F 2310/0097** (2013.01 - EP)

Citation (search report)
• [YDA] US 2015230929 A1 20150820 - LORIO MORGAN PACKARD [US]
• [YA] US 2005177237 A1 20050811 - SHAPPLEY BEN [US], et al
• See references of WO 2017039596A1

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

DOCDB simple family (publication)
WO 2017039596 A1 20170309; AU 2015408035 A1 20180222; AU 2015408035 B2 20201008; BR 112018003590 A2 20180925; CN 107920846 A 20180417; EP 3344170 A1 20180711; EP 3344170 A4 20190403; JP 2018528844 A 20181004; KR 20180072675 A 20180629

DOCDB simple family (application)
US 2015047623 W 20150830; AU 2015408035 A 20150830; BR 112018003590 A 20150830; CN 201580082740 A 20150830; EP 15903187 A 20150830; JP 2018530481 A 20150830; KR 20187008688 A 20150830