Title (en)

A SHAPE-BASED APPROACH FOR SCAFFOLDLESS TISSUE ENGINEERING

Title (de)

FORMBASIERTES VERFAHREN FÜR GERÜSTLOSE GEWEBEZÜCHTUNG

Title (fr)

APPROCHE BASÉE SUR LA FORME POUR INGÉNIÉRIE TISSULAIRE SANS ÉCHAFAUDAGE

Publication

EP 2007312 A4 20120822 (EN)

Application

EP 07760209 A 20070405

Priority

- US 2007066089 W 20070405
- US 78985306 P 20060405
- US 78985106 P 20060405
- US 78985506 P 20060405

Abstract (en)

[origin: WO2007115336A2] Methods for forming tissue engineered constructs without the use of scaffolds and associated methods of use in tissue replacement are provided. One example of a method may comprise providing a shaped hydrogel negative mold; seeding the mold with cells; allowing the cells to self-assemble in the mold to form a tissue engineered construct.

IPC 8 full level

A61F 2/02 (2006.01); **A61K 35/32** (2006.01); **C12N 5/00** (2006.01); **C12N 5/077** (2010.01); A61K 35/12 (2015.01)

CPC (source: EP)

A61L 27/3817 (2013.01); **A61L 27/3843** (2013.01); **A61L 27/3886** (2013.01); **A61L 27/3895** (2013.01); **C12N 5/0655** (2013.01); A61K 35/12 (2013.01); C12N 2521/00 (2013.01); C12N 2533/76 (2013.01)

Citation (search report)

- [XYI] WO 2006017176 A2 20060216 - UNIV RICE WILLIAM M [US], et al
- [Y] US 2002106625 A1 20020808 - HUNG CLARK T [US], et al
- [Y] C R LEE ET AL: "Modulation of the Contractile and Biosynthetic Activity of Chondroxytes Seeded in Collagen-Glycosaminoglycan Matrices", TISSUE ENGINEERING, vol. 9, no. 1, 1 January 2003 (2003-01-01), pages 27 - 36, XP055032370
- See references of WO 2007115336A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007115336 A2 20071011; **WO 2007115336 A3 20080522**; AU 2007234365 A1 20071011; AU 2007234366 A1 20071011; AU 2007254048 A1 20071129; CA 2648327 A1 20071011; CA 2648332 A1 20071011; CA 2648648 A1 20071129; EP 2007312 A2 20081231; EP 2007312 A4 20120822; EP 2007875 A2 20081231; EP 2007875 A4 20091216; EP 2007881 A2 20081231; EP 2007881 A4 20090708; WO 2007115337 A2 20071011; WO 2007115337 A3 20080703; WO 2007115337 A8 20071213; WO 2007136936 A2 20071129; WO 2007136936 A3 20081023

DOCDB simple family (application)

US 2007066089 W 20070405; AU 2007234365 A 20070405; AU 2007234366 A 20070405; AU 2007254048 A 20070405; CA 2648327 A 20070405; CA 2648332 A 20070405; CA 2648648 A 20070405; EP 07760205 A 20070405; EP 07760209 A 20070405; EP 07760211 A 20070405; US 2007066085 W 20070405; US 2007066092 W 20070405