

Title (en)

SILICA SOL MATERIAL FOR PRODUCING BIOLOGICALLY DEGRADABLE AND/OR RESORBABLE SILICA GEL MATERIALS, THE PRODUCTION AND USE THEREOF

Title (de)

KIESELSOL-MATERIAL ZUR HERSTELLUNG VON BIOLOGISCH DEGRADIERBAREN UND/ODER RESORBIERBAREN KIESELGEL-MATERIALIEN, DESSEN HERSTELLUNG UND VERWENDUNG

Title (fr)

MATÉRIAU À BASE DE SOL DE SILICE POUR LA PRODUCTION DE MATÉRIAUX À BASE DE GEL DE SILICE BIOLOGIQUEMENT DÉGRADABLES ET/OU RÉSORBABLES, SA FABRICATION ET SON UTILISATION

Publication

EP 2121530 A1 20091125 (DE)

Application

EP 08706980 A 20080110

Priority

- EP 2008000124 W 20080110
- DE 102007002896 A 20070115
- DE 102007061873 A 20071219

Abstract (en)

[origin: US2011183419A1] The invention concerns a novel silica sol material and its use for producing bioabsorbable and biodegradable silica gel materials having improved properties. The materials such as for example fibres, fibrous nonwoven webs, powders, monoliths and/or coatings are used, for example, in medical technology and/or human medicine, in particular for wound treatment.

IPC 8 full level

C03B 37/00 (2006.01); **C08G 77/02** (2006.01); **C09D 183/02** (2006.01); **C12N 11/14** (2006.01); **D01F 9/08** (2006.01)

CPC (source: EP RU US)

A61L 31/028 (2013.01 - RU); **A61P 17/02** (2017.12 - EP); **C01B 33/146** (2013.01 - RU); **C03B 37/016** (2013.01 - RU); **C04B 35/6224** (2013.01 - EP US); **C08G 77/02** (2013.01 - EP US); **C08L 83/02** (2013.01 - EP US); **C12N 5/0068** (2013.01 - EP US); **C12N 5/0697** (2013.01 - RU); **C12N 11/14** (2013.01 - EP US); **D01F 9/08** (2013.01 - EP RU US); **C12N 2533/10** (2013.01 - EP US); **Y10T 442/3976** (2015.04 - EP US); **Y10T 442/696** (2015.04 - EP US)

Citation (search report)

See references of WO 2008086970A1

Citation (examination)

J. SEFCIK ET AL.: "Kinetic and thermodynamic issues in the early stages of sol-gel processes using silicon alkoxides", CATALYSIS TODAY, vol. 35, 1997, pages 205 - 223

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 2011183419 A1 20110728; **US 9862940 B2 20180109**; AU 2008207129 A1 20080724; AU 2008207129 B2 20140220; BR PI0806662 A2 20110906; CA 2675181 A1 20080724; CN 101583574 A 20091118; CN 101583574 B 20130821; DE 102007061873 A1 20080717; EP 2121530 A1 20091125; IL 199872 A0 20100415; IL 221806 A0 20121031; JP 2010520925 A 20100617; JP 5570222 B2 20140813; MX 2009007523 A 20090722; RU 2009130987 A 20110227; RU 2012119167 A 20131120; RU 2460697 C2 20120910; RU 2602620 C2 20161120; TW 200902444 A 20090116; WO 2008086970 A1 20080724

DOCDB simple family (application)

US 52310208 A 20080110; AU 2008207129 A 20080110; BR PI0806662 A 20080110; CA 2675181 A 20080110; CN 200880002330 A 20080110; DE 102007061873 A 20071219; EP 08706980 A 20080110; EP 2008000124 W 20080110; IL 19987209 A 20090715; IL 22180612 A 20120906; JP 2009545855 A 20080110; MX 2009007523 A 20080110; RU 2009130987 A 20080110; RU 2012119167 A 20080110; TW 97101286 A 20080114