

Title (en)

METHOD FOR INFLUENCING BIOLOGICAL CELLS DEPOSITED ON A MAGNETO-ACTIVE OR ELECTRO-ACTIVE COMPOSITE MATERIAL

Title (de)

VERFAHREN ZUR BEEINFLUSSUNG VON AUF EINEM MAGNETOAKTIVEN ODER ELEKTROAKTIVEN KOMPOSITMATERIAL  
ANGELAGERTEN BIOLOGISCHEN ZELLEN

Title (fr)

PROCÉDÉ POUR INFLUENCER DES CELLULES BIOLOGIQUES FIXÉES SUR UN MATÉRIAU COMPOSITE MAGNÉTOACTIF OU  
ÉLECTROACTIF

Publication

**EP 2673360 A2 20131218 (DE)**

Application

**EP 12704688 A 20120209**

Priority

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- EP 2012000617 W 20120209

Abstract (en)

[origin: WO2012107241A2] The invention relates to biocompatible, soft, magneto-active polymers (MAP), the elasto-mechanical properties of which can be adjusted by a magnetic field. The invention further relates to special magnetic field systems for locally controlling the MAP and moving, separating, controlling, and influencing biological cells on the surface of the MAP material.

IPC 8 full level

**C12N 11/08** (2006.01); **C08J 7/043** (2020.01); **C08J 7/046** (2020.01); **C10M 171/00** (2006.01); **C12M 1/42** (2006.01); **C12N 13/00** (2006.01)

CPC (source: EP US)

**C08J 7/0427** (2020.01 - EP); **C08J 7/043** (2020.01 - EP US); **C08J 7/046** (2020.01 - EP US); **C12M 35/04** (2013.01 - EP);  
**C12M 35/06** (2013.01 - EP); **C12N 11/087** (2020.01 - EP US); **C12N 11/089** (2020.01 - EP US); **C12N 11/093** (2020.01 - EP US);  
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**C08J 2383/04** (2013.01 - EP); **C08J 2489/00** (2013.01 - EP); **C08J 2489/06** (2013.01 - EP)

Citation (search report)

See references of WO 2012107241A2

Citation (examination)

- DE 102009001769 A1 20091001 - BASF SE [DE]
- US 6476113 B1 20021105 - HILES MAURICE [US]
- US 2005129775 A1 20050616 - LANPHERE JANEL [US], et al
- WO 2007114758 A1 20071011 - GE HEALTHCARE BIO SCIENCES AB [SE], 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

DOCDB simple family (publication)

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DOCDB simple family (application)

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