Title (en)

COATING SOLUTIONS COMPRISING SEGMENTED INTERACTIVE BLOCK COPOLYMERS

Title (de)

BESCHICHTUNGSLÖSUNGEN MIT SEGMENTIERTEN INTERAKTIVEN BLOCKCOPOLYMEREN

Title (fr)

SOLUTIONS DE REVÊTEMENT COMPRENANT DES SEGMENTS DE COPOLYMÈRES SÉQUENCÉS INTERACTIFS

Publication

EP 2231207 A1 20100929 (EN)

Application

EP 08867880 A 20081216

Priority

- US 2008086990 W 20081216
- US 1684307 P 20071227
- US 33461908 A 20081215

Abstract (en)

[origin: WO2009085756A1] This invention is directed toward surface treatment of a device. The surface treatment comprises the attachment of interactive segmented block copolymers to the surface of the substrate by means of interactive functionalities of the segmented block copolymer reacting with complementary surface functionalities in monomeric units along the polymer substrate. The present invention is also directed to a surface modified medical device, examples of which include contact lenses, intraocular lenses, vascular stents, phakic intraocular lenses, aphakic intraocular lenses, corneal implants, catheters, implants, and the like, comprising a surface made by such a method.

IPC 8 full level

A61L 27/18 (2006.01); **C08J 7/056** (2020.01); **C09D 153/00** (2006.01); **G02B 1/04** (2006.01)

CPC (source: EP US)

A61L 27/34 (2013.01 - EP); **A61L 31/10** (2013.01 - EP); **C08J 7/0427** (2020.01 - EP); **C08J 7/056** (2020.01 - EP US); **C09D 153/005** (2013.01 - EP); **G02B 1/043** (2013.01 - EP US); C08J 2333/16 (2013.01 - EP); C08J 2383/10 (2013.01 - EP); C08J 2453/00 (2013.01 - EP)

Citation (search report)

See references of WO 2009085756A1

Cited by

US11141263B2; US10195018B2; US11266496B2; US10548718B2; US11540916B2; US10350057B2; US10709549B2; US10350056B2; US11065109B2; US10987214B2; US10736734B2; US11583390B2

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009085756 A1 20090709; CN 101977638 A 20110216; EP 2231207 A1 20100929; EP 2231208 A1 20100929; JP 2011508908 A 20110317; WO 2009085817 A1 20090709

DOCDB simple family (application)

US 2008086990 W 20081216; CN 200880127185 A 20081216; EP 08867880 A 20081216; EP 08867921 A 20081217; JP 2010540782 A 20081216; US 2008087152 W 20081217