

Title (en)

COATING SOLUTIONS COMPRISING SURFACE ACTIVE SEGMENTED BLOCK COPOLYMERS

Title (de)

BESCHICHTUNGSLÖSUNGEN MIT OBERFLÄCHENAKTIVEN SEGMENTIERTEN BLOCKCOPOLYMEREN

Title (fr)

SOLUTIONS DE REVÊTEMENT COMPRENANT DES SEGMENTS DE COPOLYMÈRES SÉQUENCÉS TENSIOACTIFS

Publication

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Application

EP 08867921 A 20081217

Priority

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- US 1684307 P 20071227
- US 33579408 A 20081216

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

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Citation (search report)

See references of WO 2009085817A1

Citation (examination)

- US 2003224185 A1 20031204 - VALINT PAUL L [US], et al
- VALINT P L ET AL: "SURFACE-ACTIVE MACROMONOMERS FOR COATING OF CONTACT LENS POLYMERS", POLYMERIC MATERIALS SCIENCE AND ENGINEERING. PMSE PREPRINTS, AMERICAN CHEMICAL SOCIETY, US, vol. 76, 13 April 1997 (1997-04-13), pages 93/94, XP000931173, ISSN: 0743-0515

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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