

Title (en)

STELLATE PREPOLYMERS FOR THE PRODUCTION OF ULTRA-THIN COATINGS THAT FORM HYDROGELS

Title (de)

STERNFORMIGE PRAPOLYMERE FUR DIE HERSTELLUNG ULTRADUNNER HYDROGEL-BILDENDER BESCHICHTUNGEN

Title (fr)

PREPOLYMERES EN ETOILE POUR LA PRODUCTION DE REVETEMENTS ULTRAMINCES FORMANT DES HYDROGELS

Publication

EP 1469893 A1 20041027 (DE)

Application

EP 03734689 A 20030124

Priority

- DE 10203937 A 20020201
- DE 10216639 A 20020415
- EP 0300726 W 20030124

Abstract (en)

[origin: WO03063926A1] The invention relates to the use of stellate polymers comprising hydrophilic polymer arms, which bear a reactive functional group R on their free ends, for the production of ultra-thin coatings that form hydrogels. The coatings that form hydrogels thus obtained actively suppress an unspecific protein absorption on surfaces provided with said coating.

IPC 1-7

A61L 27/34; A61L 33/06; C09D 171/02; C08G 65/329; C09D 201/00; C08G 18/48; C08G 65/322

IPC 8 full level

A61L 27/34 (2006.01); **C08G 18/10** (2006.01); **C08G 18/48** (2006.01); **C08G 18/50** (2006.01); **C08G 65/329** (2006.01); **C09D 175/04** (2006.01); **C09D 201/02** (2006.01)

CPC (source: EP US)

A61L 27/34 (2013.01 - EP US); **C08G 18/10** (2013.01 - EP US); **C08G 18/485** (2013.01 - EP US); **C08G 18/5024** (2013.01 - EP US); **C08G 18/5072** (2013.01 - EP US); **C08G 65/329** (2013.01 - EP US); **C09D 175/04** (2013.01 - EP US); **C09D 201/02** (2013.01 - EP US); **C08G 2210/00** (2013.01 - EP US); **C08G 2650/20** (2013.01 - EP US); **C08L 2312/00** (2013.01 - EP US)

Citation (search report)

See references of WO 03063926A1

DOCDB simple family (publication)

WO 03063926 A1 20030807; EP 1469893 A1 20041027; US 2005031793 A1 20050210

DOCDB simple family (application)

EP 0300726 W 20030124; EP 03734689 A 20030124; US 90175104 A 20040729