

Title (en)

ORGANOPOLYSILOXANE/POLY UREA/POLYURETHANE BLOCK COPOLYMERS

Title (de)

ORGANOPOLYSILOXAN / POLYHARNSTOFF / POLYURETHAN-BLOCKCOPOLYMERE

Title (fr)

COPOLYMERES SEQUENCES ORGANOPOLYSILOXANE / POLYUREE / POLYURETHANE

Publication

**EP 1606335 A1 20051221 (DE)**

Application

**EP 04719405 A 20040311**

Priority

- EP 2004002532 W 20040311
- DE 10313936 A 20030327

Abstract (en)

[origin: WO2004085516A1] The invention relates to organopolysiloxane/polyurea/polyurethane block copolymers of general formula (1) B- $\{[NR<4>-CR<2>2-SiR2-(O-SiR2)n-CR<2>2-NR<4>-CO-NH-Y-NH-CO]a-[Z-D-Z-CO-NH-Y-NH-CO]b-[NR<4>-CR<2>2-SiR2-(O-SiR2)n-CR<2>2-NR<4>-CO-NH-Y-NH-CO-NH-Y-NH-CO]c\}d-B$ , which are obtained by reacting aminomethyl-terminal polydimethyl siloxanes with diisocyanates and optional chain extenders, a method for the production thereof, and the use thereof.

IPC 1-7

**C08G 77/458**; **C08G 18/61**; **C09J 183/10**; **C09D 183/10**; **C08L 83/10**

IPC 8 full level

**C08G 18/08** (2006.01); **C08G 18/61** (2006.01)

CPC (source: EP US)

**C08G 18/0895** (2013.01 - EP US); **C08G 18/61** (2013.01 - EP US); **C08G 77/452** (2013.01 - EP US); **C08G 77/458** (2013.01 - EP US); **C08L 83/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2004085516A1

Cited by

CN110105577A

Designated contracting state (EPC)

BE DE FR GB NL PL

DOCDB simple family (publication)

**WO 2004085516 A1 20041007**; CN 1764685 A 20060426; DE 10313936 A1 20041014; EP 1606335 A1 20051221; JP 2006521420 A 20060921; US 2006036055 A1 20060216

DOCDB simple family (application)

**EP 2004002532 W 20040311**; CN 200480008361 A 20040311; DE 10313936 A 20030327; EP 04719405 A 20040311; JP 2006500057 A 20040311; US 23561305 A 20050926