

Title (en)
MIXTURES OF ORGANOPOLYSILOXANE COPOLYMERS

Title (de)
MISCHUNGEN VON ORGANOPOLYSILOXAN-COPOLYMEREN

Title (fr)
MÉLANGES DE COPOLYMÈRES D'ORGANOPOLYSILOXANES

Publication
EP 2283057 A1 20110216 (DE)

Application
EP 09757403 A 20090525

Priority
• EP 2009056299 W 20090525
• DE 102008002075 A 20080529

Abstract (en)
[origin: WO2009147020A1] Compositions containing between 50 and 99.999% of an organopolysiloxane/polyurea/polyurethane block copolymer of the general formula (1), containing between 0.001% and 10% of a UV absorber, which are compatible with the polymer of the general formula I, the concentration of free amino groups or isocyanate groups in the polymer (I) being smaller than 40 mmol/kg, where R is a monovalent hydrocarbon group with 1 to 20 carbon atoms that is optionally substituted with fluorine or chlorine, X is an alkylene group with 1 to 20 carbon atoms, in which non-neighboring methylene units can be substituted with -O- groups, A is an oxygen atom or an amino group -NR'-, Z is an oxygen atom or an amino group -NR'-, R' is hydrogen or an alkyl group with 1 to 10 carbon atoms, Y is a bivalent hydrocarbon group with 1 to 20 carbon atoms that is optionally substituted with fluorine or chlorine, D is an alkylene group with 1 to 700 carbon atoms that is optionally substituted with fluorine, chlorine, C1-C6 alkyl ester or C1-C6 alkyl ester, in which non-neighboring methylene units can be substituted with -O-, -COO-, -OCO-, or - OCOO- groups, B is hydrogen or a functional or non-functional organic or silicon-organic group, n is a number from 1 to 1000, a is a number of at least 1, b is a number from 0 to 40.15, c is a number from 0 to 30 and d is a number greater than 0.

IPC 8 full level
C08G 18/61 (2006.01); **C08G 18/10** (2006.01); **C08G 18/28** (2006.01); **C08G 18/71** (2006.01)

CPC (source: EP US)
C08G 18/10 (2013.01 - EP US); **C08G 18/61** (2013.01 - EP US)

Citation (search report)
See references of WO 2009147020A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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