

Title (en)

USE OF SILICON COPOLYMERS TO PROVIDE FIBER SUBSTRATES WITH A WASH-RESISTANT FINISH

Title (de)

VERWENDUNG VON SILICON-COPOLYMEREN ZUR WASCHPERMANENTEN AUSRÜSTUNG VON FASERIGEN SUBSTRATEN

Title (fr)

UTILISATION DE COPOLYMÈRES SILICONÉS POUR L'APPRÊT PERMANENT DE SUBSTRATS FIBREUX

Publication

EP 3844338 A1 20210707 (DE)

Application

EP 19725104 A 20190515

Priority

EP 2019062529 W 20190515

Abstract (en)

[origin: WO2020228952A1] Described is the use of compositions to provide fibrous substrates with a wash-resistant finish, said compositions containing silicone copolymers (A) of formula (I), wherein Y is the same or different and represents a divalent hydrocarbon radical having 1 to 20 carbon atoms, Z is the same or different and represents a divalent polyoxyalkylene-containing organic radical, preferably a radical of formula - (R6O)_w-R7-, R1 is the same or different and represents a radical of formula -N(R4)-R5 or -O-R5, R2 is the same or different and represents a monovalent hydrocarbon radical having 1 to 18 carbon atoms which may contain one or more halogen or oxygen atoms, R3 is the same or different and represents a hydrogen atom or a monovalent hydrocarbon radical having 1 to 18 carbon atoms, R4 represents a hydrogen atom, a C1-18 alkyl radical or a hydrocarbon radical having 4 to 18 carbon atoms which contains one or more O or N atoms, R5 represents a C1-18 alkyl radical or a hydrocarbon radical having 4 to 18 carbon atoms which contains one or more O or N atoms, R6 is the same or different and represents a C1-C10 alkylene radical, preferably a C2-C3 alkylene radical, R7 represents a C1-C10 alkylene radical, preferably a C2-C3 alkylene radical, n is an integer from 10 to 2000, p is an integer from 1 to 5, preferably 1 to 2, and w is on average 2.5 to 80.

IPC 8 full level

D06M 15/59 (2006.01); **C08G 77/455** (2006.01); **C09D 183/10** (2006.01); **D06M 15/643** (2006.01)

CPC (source: EP KR US)

C08G 77/04 (2013.01 - KR); **C08G 77/455** (2013.01 - EP KR); **C08G 77/46** (2013.01 - EP KR US); **C08K 5/06** (2013.01 - US); **C08K 9/06** (2013.01 - EP KR); **C09D 183/12** (2013.01 - EP KR); **C09D 183/14** (2013.01 - EP KR); **D06M 15/59** (2013.01 - EP KR); **D06M 15/6433** (2013.01 - EP KR US); **D06M 15/6436** (2013.01 - EP KR US); **C08G 77/04** (2013.01 - EP); **D06M 2200/50** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2020228952A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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