

Title (en)

LAUNDRY DETERGENT COMPOSITION CONTAINING AMPHOTERIC POLYMER

Title (de)

WASCHMITTELZUSAMMENSETZUNG MIT EINEM AMPHOTEREN POLYMER

Title (fr)

COMPOSITION DE DÉTERGENT POUR LESSIVE CONTENANT UN POLYMÈRE AMPHOTÈRE

Publication

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Application

**EP 17767808 A 20170912**

Priority

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Abstract (en)

[origin: WO2018065177A1] The invention relates to a solid laundry detergent composition containing an amphoteric polymer, said amphoteric polymer being characterized in that least 30% of its monomeric units are betaine units represented by the following formula (I):  $\text{H}_2\text{C}=\text{C}(\text{R}_1)-\text{C}(\text{O})\text{O}-(\text{CH}_2)_n-\text{N}^+(\text{R}_2)(\text{R}_3)-(\text{CH}_2)_p-\text{X}$  (I) wherein: • R1 represents a hydrogen atom or a linear or branched C1 to C6 alkyl group; • R2 and R3, independently of each other, represent an alkyl, hydroxyalkyl or aminoalkyl group in which the alkyl group is a linear or branched C1 to C6 alkyl; • n is an integer in the range of 1 to 4; • p is an integer in the range of 2 to 8; • X represents COO". The inventors have discovered that laundry detergent compositions containing the aforementioned amphoteric polymer are capable of increasing the oil repellency of fabrics.

IPC 8 full level

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