

Title (en)

DETERGENT HAVING IMPROVED PERFORMANCE

Title (de)

REINIGUNGSMITTEL MIT VERBESSERTER LEISTUNGSFÄHIGKEIT

Title (fr)

DÉTERGENT AYANT DES PERFORMANCES AMÉLIORÉES

Publication

**EP 3599273 A1 20200129 (EN)**

Application

**EP 18185930 A 20180727**

Priority

EP 18185930 A 20180727

Abstract (en)

The present invention is related to the use of polymers, obtainable by radical induced polymerization of monomers according to formula I, in which, independently from each other,  $R^{1}$ ,  $R^{2}$  and  $R^{3}$  is H or an alkyl group with 1 to 4 C-atoms with the proviso that at least one of  $R^{1}$  and  $R^{2}$  is H, or by radical induced copolymerization of monomers of said formula I with co-monomers selected from the group consisting of compounds according to formula II, in which  $R^{4}$  is H or an alkyl group with 1 to 4 C-atoms,  $R^{5}$  is -C(O)-O- $R^{12}$ , -C(O)-NR $^{12}$ - $R^{13}$ , -O- $R^{13}$ , -C(O)-O-C(O)- $R^{13}$ , -C(O)-NR $^{12}$ -C(O)- $R^{13}$  or -O-C(O)- $R^{13}$ ,  $R^{12}$  is H or a linear or branched alkyl group with 1 to 20 C-atoms,  $R^{13}$  is a linear or branched alkyl group with 1 to 20 C-atoms, or compounds according to formula III, in which  $R^{6}$  is H, a halogen atom, or a linear or branched alkyl group with 1 to 20 C-atoms,  $R^{7}$  is an optionally substituted phenyl group or an alkenyl group with 2 to 20 C-atoms, or their mixtures, to improve the cleaning performance of detergents.

IPC 8 full level

**C11D 3/37** (2006.01)

CPC (source: EP)

**C11D 3/3784** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3599273 A1 20200129**

DOCDB simple family (application)

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