

Title (en)

Use of polymers in laundry cleaning

Title (de)

Verwendung von Polymeren in der Wäschereinigung

Title (fr)

Utilisation de polymères dans le nettoyage du linge

Publication

**EP 1146110 A3 20020626 (EN)**

Application

**EP 01303102 A 20010330**

Priority

GB 0009059 A 20000412

Abstract (en)

[origin: EP1146110A2] A detergency enhancing polymer is used in a laundry cleaning operation to improve removal of oily and/or greasy soil from cotton fabrics. This polymer is a homopolymer or copolymer containing one or more monomer units independently selected from those of formula (I) <CHEM> wherein -A- is selected from groups of formula -R<5>-, -R<5>-(CO)-R<6>-, -R<5>-(CO)-O-R<6>, -R<5>-O-(CO)-R<6>-, -R<5>-(CO)-NH-R<6>-, -R<5>-NH-(CO)-R<6>-, wherein R<5> and R<6> are independently absent, or represent C1-3 alkyl groups; R<1>, R<2> and R<3> are independently selected from hydrogen, C1-3 alkyl, C1-3 alkenyl, hydroxy-C1-3 alkyl and C5-8 cycloalkyl groups; and R<4> is selected from groups as defined for A above; wherein R<3> may also represent a bridge, group with the group R<4>, said bridging group being selected from groups as defined for A above; and X - is a monovalent anion or an n'th part of an n-valent anion.

IPC 1-7

**C11D 3/37; C11D 1/02; C11D 1/83**

IPC 8 full level

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CPC (source: EP)

**C11D 1/02** (2013.01); **C11D 1/83** (2013.01); **C11D 3/3769** (2013.01); **C11D 3/3773** (2013.01)

Citation (search report)

- [E] WO 0179408 A1 20011025 - UNILEVER PLC [GB], et al
- [E] WO 0179407 A1 20011025 - UNILEVER PLC [GB], et al
- [XA] GB 2164657 A 19860326 - COLGATE PALMOLIVE CO

Cited by

EP1191094A3; EP1188817A3; US8728172B2; US8193141B2; US8372795B2

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DOCDB simple family (publication)

**EP 1146110 A2 20011017; EP 1146110 A3 20020626; EP 1146110 B1 20051123**; AT E310795 T1 20051215; DE 60115130 D1 20051229;  
DE 60115130 T2 20060706; ES 2252157 T3 20060516; GB 0009059 D0 20000531

DOCDB simple family (application)

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