

Title (en)
LIQUID SOFTENER

Publication
EP 0510879 A3 19930317 (EN)

Application
EP 92303461 A 19920416

Priority
• JP 9720691 A 19910426
• JP 9720791 A 19910426

Abstract (en)
[origin: EP0510879A2] A liquid softener capable of imparting excellent softness and resiliency to various fibers and textiles and having an excellent storability which comprises (a) an amine having 1 or 2 ester group(s) and at least two straight-chain or branched, saturated or unsaturated hydrocarbon groups having 11 to 23 carbon atoms in the molecule and neutralized with an inorganic acid or an organic acid, and (b) an alkylamine polyether compound selected from the group consisting of compounds represented by following general formulae (I) to (III) and/or (c) a compound having a long-chain hydrocarbon group, a nitrogen atom and at least one member selected from the group consisting of an ester group, an amide group and an imidazoline skeleton in the molecule: <CHEM> <CHEM> <CHEM> wherein R3 represents a straight-chain or branched, saturated or unsaturated hydrocarbon group having 8 to 24 carbon atoms, $p1+p2+p3+p4$ is a number of 0 to 60 and $q1+q2+q3+q4$ is a number of 0 to 60 with the proviso that $p1+p2+p3+p4+q1+q2+q3+q4 \geq 1$.

IPC 1-7
C11D 1/645

IPC 8 full level
C11D 1/645 (2006.01); **C11D 3/00** (2006.01)

CPC (source: EP)
C11D 1/645 (2013.01); **C11D 3/0015** (2013.01)

Citation (search report)
• [X] EP 0345842 A2 19891213 - PROCTER & GAMBLE [US]
• [X] EP 0375029 A2 19900627 - PROCTER & GAMBLE [US]
• [A] FR 2322963 A1 19770401 - HOECHST AG [DE]
• [A] EP 0085933 A2 19830817 - HOECHST AG [DE]
• [AP] EP 0443313 A1 19910828 - KAO CORP [JP]
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