

Title (en)
IMPROVEMENTS IN OR RELATING TO CLEANING COMPOSITIONS

Title (de)
VERBESSERUNG IN ODER IN BEZUG AUF REINIGUNGSMITTEL

Title (fr)
AMELIORATIONS CONCERNANT DES COMPOSITIONS DE NETTOYAGE

Publication
EP 0631610 B1 19970618 (EN)

Application
EP 93906690 A 19930317

Priority

- GB 9300551 W 19930317
- GB 9206115 A 19920320
- GB 9215555 A 19920722
- GB 9222813 A 19921030
- GB 9304732 A 19930309

Abstract (en)
[origin: WO9319152A1] An aqueous cleaning composition comprises dye, preferably an acid dye, which is substantive to protein; water-miscible solvent; and surfactant, preferably alkoxylated surfactant. The dye can bind to protein to form a visible coloured complex and so reveal soil, with the surfactant (and also to some extent the solvent) performing a cleaning function to remove soil. By visualising protein, soil can be targetted for cleaning. Any dye remaining visible after cleaning indicates imperfect cleaning.

IPC 1-7
C11D 3/40

IPC 8 full level
C11D 3/40 (2006.01); **C11D 3/43** (2006.01)

CPC (source: EP)
C11D 3/40 (2013.01); **C11D 3/43** (2013.01)

Citation (examination)

- JP S63159758 A 19880702 - OSAKA EYAZOOLE KOGYO KK
- US 5039441 A 19910813 - THOMAS MICHEL [BE], et al

Cited by
EP3569258A1; EP3569258B1

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9319152 A1 19930930; AU 3759993 A 19931021; AU 669163 B2 19960530; BR 9306119 A 19980623; CA 2131618 A1 19930930; CN 1051798 C 20000426; CN 1077986 A 19931103; CZ 229394 A3 19950412; DE 69311706 D1 19970724; DE 69311706 T2 19971218; EP 0631610 A1 19950104; EP 0631610 B1 19970618; ES 2104134 T3 19971001; HU 212979 B 19970128; HU 9402706 D0 19941228; HU T71066 A 19951128; IN 178308 B 19970322; JP H07504699 A 19950525; MY 109183 A 19961231; SK 112494 A3 19950412

DOCDB simple family (application)
GB 9300551 W 19930317; AU 3759993 A 19930317; BR 9306119 A 19930317; CA 2131618 A 19930317; CN 93104596 A 19930320; CZ 229394 A 19930317; DE 69311706 T 19930317; EP 93906690 A 19930317; ES 93906690 T 19930317; HU 9402706 A 19930317; IN 164CA1993D A 19930318; JP 51636493 A 19930317; MY PI19930501 A 19930319; SK 112494 A 19930317