

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.

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**C11D 3/40**

IPC 8 full level  
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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

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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

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