

Title (en)

DETERGENTS CONTAINING A HEAVY METAL SEQUESTERANT AND A DELAYED RELEASE PEROXYACID BLEACH SYSTEM

Title (de)

WASCHMITTEL ENTHALTEND EIN SCHWERMETALLSEQUESTRIERMittel UND EIN PEROXYSÄUREBLEICHSYSTEM MIT VERZÖGERTER FREIGABE

Title (fr)

DETERGENTS CONTENANT UN AGENT SEQUESTRANT LES METAUX LOURDS

Publication

EP 0755429 B1 20040211 (EN)

Application

EP 95915004 A 19950403

Priority

- GB 9407535 A 19940413
- US 9504085 W 19950403

Abstract (en)

[origin: WO9528464A1] There is provided a detergent composition containing: (a) a heavy metal ion sequesterant; and (b) an organic peroxyacid bleaching system wherein a means is provided for delaying the release to a wash solution of said peroxyacid bleach relative to the release of said heavy metal ion sequesterant. Preferably said composition additionally contains (c) a water soluble builder wherein a means is provided for delaying the release to a wash solution of said peroxyacid bleach relative to the release of said water soluble builder. A pretreat wash method is also provided.

IPC 1-7

C11D 3/33; **C11D 3/36**; **C11D 3/39**; **C11D 3/395**; **C11D 17/06**; **C11D 11/00**

IPC 8 full level

D06L 1/00 (2006.01); **C11D 3/00** (2006.01); **C11D 3/02** (2006.01); **C11D 3/08** (2006.01); **C11D 3/10** (2006.01); **C11D 3/30** (2006.01); **C11D 3/32** (2006.01); **C11D 3/33** (2006.01); **C11D 3/36** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01); **D06L 3/00** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP)

C11D 3/001 (2013.01); **C11D 3/046** (2013.01); **C11D 3/08** (2013.01); **C11D 3/10** (2013.01); **C11D 3/30** (2013.01); **C11D 3/32** (2013.01); **C11D 3/33** (2013.01); **C11D 3/364** (2013.01); **C11D 3/3707** (2013.01); **C11D 3/3907** (2013.01); **C11D 3/3932** (2013.01); **C11D 3/3942** (2013.01); **C11D 3/3945** (2013.01); **C11D 17/0039** (2013.01); **C11D 17/046** (2013.01); **C11D 2111/12** (2024.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9528464 A1 19951026; AT E259412 T1 20040215; AU 2204895 A 19951110; BR 9507379 A 19970916; CA 2187438 A1 19951026; CA 2187438 C 20001031; CN 1094514 C 20021120; CN 1150451 A 19970521; CN 1206334 C 20050615; CN 1373180 A 20021009; DE 69532559 D1 20040318; DE 69532559 T2 20041216; EP 0755429 A1 19970129; EP 0755429 A4 19980729; EP 0755429 B1 20040211; ES 2216011 T3 20041016; GB 9407535 D0 19940608; JP 4393582 B2 20100106; JP H09512049 A 19971202; MA 23505 A1 19951231; PE 50595 A1 19960213

DOCDB simple family (application)

US 9504085 W 19950403; AT 95915004 T 19950403; AU 2204895 A 19950403; BR 9507379 A 19950403; CA 2187438 A 19950403; CN 01139470 A 20011124; CN 95193547 A 19950403; DE 69532559 T 19950403; EP 95915004 A 19950403; ES 95915004 T 19950403; GB 9407535 A 19940413; JP 52699095 A 19950403; MA 23833 A 19950412; PE 26640895 A 19950412