

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