

Title (en)
WASHING AGENT, RINSING AGENT OR CLEANING AGENT PORTIONS HAVING REDOX-CONTROLLED ACTIVE SUBSTANCE RELEASE

Title (de)
WASCHMITTEL-, SPÜLMITTEL- ODER REINIGUNGSMITTEL-PORTIONEN MIT REDOX-KONTROLLIERTER WIRKSTOFF-FREISETZUNG

Title (fr)
DETERGENTS, AGENTS DE RIN AGE OU NETTOYANTS EN PORTIONS A LIBERATION DU PRINCIPE ACTIF REGULEE PAR OXYDOREDUCTION

Publication
EP 1238055 B1 20070221 (DE)

Application
EP 00993413 A 20001202

Priority
• DE 19960072 A 19991213
• EP 0012129 W 20001202

Abstract (en)
[origin: CA2328326A1] The invention relates to a laundry, dishwashing or cleaning product detergent portion having two or more deterative components of which at least two are to be released into the liquor at different points in time in a laundering, dishwashing or cleaning process, said portion comprising at least one release controlling (physico)chemical switch which is not subject or not exclusively subject to temperature control, and also one or more substances for increasing the extent of the shift in pH.

IPC 8 full level
C11D 17/00 (2006.01); **C11D 3/37** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP)
C11D 3/3769 (2013.01); **C11D 3/3792** (2013.01); **C11D 17/0073** (2013.01); **C11D 17/0078** (2013.01); **C11D 17/041** (2013.01); **C11D 17/042** (2013.01)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
DE 10035781 A1 20010712; AT E346134 T1 20061215; AT E354633 T1 20070315; AU 1706901 A 20010625; AU 2671301 A 20010625; AU 2839701 A 20010625; CA 2328326 A1 20010613; DE 50013790 D1 20070104; DE 50014097 D1 20070405; EP 1238054 A1 20020911; EP 1238054 B1 20061122; EP 1238054 B2 20120620; EP 1238055 A2 20020911; EP 1238055 B1 20070221; ES 2277865 T3 20070801; ES 2277865 T5 20121102; ES 2281378 T3 20071001; WO 0144421 A2 20010621; WO 0144421 A3 20011101; WO 0144434 A1 20010621; WO 0144435 A1 20010621

DOCDB simple family (application)
DE 10035781 A 20000722; AT 00989940 T 20001202; AT 00993413 T 20001202; AU 1706901 A 20001202; AU 2671301 A 20001202; AU 2839701 A 20001202; CA 2328326 A 20001213; DE 50013790 T 20001202; DE 50014097 T 20001202; EP 0012129 W 20001202; EP 0012130 W 20001202; EP 0012131 W 20001202; EP 00989940 A 20001202; EP 00993413 A 20001202; ES 00989940 T 20001202; ES 00993413 T 20001202