

Title (en)
DETERGENT TABLET

Title (de)
WASCHMITTELTABLETTE

Title (fr)
PASTILLES DETERGENTES

Publication
EP 1144567 B1 20040922 (EN)

Application
EP 99933807 A 19990709

Priority
• GB 9815525 A 19980717
• GB 9818720 A 19980828
• US 9915490 W 19990709

Abstract (en)
[origin: WO0004116A2] A multi-phase detergent tablet for use in a washing machine, the tablet comprising a first phase in adhesive contact with one or more second phases, at least one second phase being in the form of a compressed particulate solid incorporating liquid adhesive and having an average porosity of less than about 0.15 ml/g. The liquid adhesive is preferably selected from polyethylene glycols having an average molecular weight in the range from about 200 to about 700 and is preferably applied by post-addition to the particulate solid prior to compression. The multi-phase tablets provide improved interphase adhesivity, robustness and strength together with excellent dissolution and cleaning characteristics.

IPC 1-7
C11D 17/00; C11D 3/37

IPC 8 full level
C11D 17/06 (2006.01); **C11D 1/72** (2006.01); **C11D 3/12** (2006.01); **C11D 3/22** (2006.01); **C11D 3/37** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)
C11D 3/1273 (2013.01); **C11D 3/222** (2013.01); **C11D 3/3707** (2013.01); **C11D 17/0078** (2013.01); **C11D 17/0086** (2013.01); **C11D 1/72** (2013.01)

Cited by
EP2089501A1; EP2097503A1

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

DOCDB simple family (publication)
WO 0004116 A2 20000127; WO 0004116 A3 20010816; AT E277166 T1 20041015; AU 4978599 A 20000207; BR 9912150 A 20010410; CA 2337401 A1 20000127; CA 2337401 C 20051011; DE 69920517 D1 20041028; DE 69920517 T2 20051110; EP 1144567 A2 20011017; EP 1144567 A3 20011107; EP 1144567 B1 20040922; ES 2224681 T3 20050301; HK 1041899 A1 20020726; JP 2002520475 A 20020709; TR 200100095 T2 20011221

DOCDB simple family (application)
US 9915490 W 19990709; AT 99933807 T 19990709; AU 4978599 A 19990709; BR 9912150 A 19990709; CA 2337401 A 19990709; DE 69920517 T 19990709; EP 99933807 A 19990709; ES 99933807 T 19990709; HK 02101373 A 20020222; JP 2000560215 A 19990709; TR 200100095 T 19990709