

Title (en)
DETERGENT COMPOSITIONS

Publication
EP 0234818 B1 19930519 (EN)

Application
EP 87301227 A 19870212

Priority
GB 8603667 A 19860214

Abstract (en)
[origin: EP0234818A2] A detergent compsn. (I) comprises (A) a detergent system (II) comprising 30-70 wt.% anionic non-soap detergent, 20-27 wt.% nonionic detergent and 10 wt.% soap, (B) a water-soluble alkali metal carbonate (IV), (C) a water insoluble carbonate (V) as seed crystal for CaCO₃, and pref. (D) an alkali metal silicate. The compsn. pref. contains not more than 8 wt.% soap, 5-40 (more pref. not more than 25) wt.% (II), at least 5 wt.% (IV) and 5-60 wt.% (V).

IPC 1-7
C11D 1/83; C11D 3/10; C11D 3/12; C11D 10/04

IPC 8 full level
C11D 1/83 (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 10/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/44** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP KR)
C11D 1/83 (2013.01 - KR); **C11D 3/10** (2013.01 - EP); **C11D 3/1233** (2013.01 - EP); **C11D 10/04** (2013.01 - EP); **C11D 1/14** (2013.01 - EP); **C11D 1/44** (2013.01 - EP); **C11D 1/72** (2013.01 - EP)

Cited by
EP0292193A1; WO2010069718A1

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0234818 A2 19870902; EP 0234818 A3 19900314; EP 0234818 B1 19930519; AU 581805 B2 19890302; AU 6867387 A 19870820; BR 8700608 A 19871215; DE 3785863 D1 19930624; DE 3785863 T2 19930826; ES 2054662 T3 19940816; GB 8603667 D0 19860319; IN 166157 B 19900324; JP H0198700 A 19890417; JP H0545639 B2 19930709; KR 870008017 A 19870923; KR 900004494 B1 19900628; NO 168488 B 19911118; NO 168488 C 19920226; NO 870581 D0 19870213; NO 870581 L 19870817; TR 23702 A 19900629; ZA 871068 B 19881026

DOCDB simple family (application)
EP 87301227 A 19870212; AU 6867387 A 19870211; BR 8700608 A 19870211; DE 3785863 T 19870212; ES 87301227 T 19870212; GB 8603667 A 19860214; IN 43BO1987 A 19870213; JP 3063087 A 19870212; KR 870001026 A 19870209; NO 870581 A 19870213; TR 9987 A 19870213; ZA 871068 A 19870213