

Title (en)

STABLE HIGH VISCOSITY LIQUID DETERGENTS

Title (de)

STABILE HÖHERVISKOSE FLÜSSIGWASCHMITTEL

Title (fr)

DETERGENTS LIQUIDES STABLES A VISCOSITE SUPERIEURE

Publication

EP 1034242 B1 20030625 (DE)

Application

EP 98961208 A 19981117

Priority

- DE 19752165 A 19971126
- EP 9807347 W 19981117

Abstract (en)

[origin: DE19752165A1] Aqueous liquid detergent compositions comprising surfactant(s) and other conventional ingredients contain a thickening system comprising (based on total composition): (a) 0.1-5% polymeric thickener; (b) 0.5-7% boron compound; and (c) 1-8% complexing agent.

IPC 1-7

C11D 3/02; **C11D 3/22**; **C11D 3/20**; **C11D 17/00**

IPC 8 full level

C11D 3/02 (2006.01); **C11D 3/20** (2006.01); **C11D 3/22** (2006.01); **C11D 17/00** (2006.01); **C11D 3/37** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP KR US)

C11D 3/02 (2013.01 - KR); **C11D 3/042** (2013.01 - EP US); **C11D 3/046** (2013.01 - EP US); **C11D 3/2086** (2013.01 - EP US); **C11D 3/225** (2013.01 - EP US); **C11D 17/003** (2013.01 - EP US)

Cited by

DE102020007520A1; DE102007036910A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

US 6274546 B1 20010814; AT E243734 T1 20030715; DE 19752165 A1 19990527; DE 59808845 D1 20030731; EP 1034242 A1 20000913; EP 1034242 B1 20030625; ES 2202919 T3 20040401; HU 228346 B1 20130328; HU P0004376 A2 20010328; HU P0004376 A3 20020729; JP 2001524584 A 20011204; JP 4394829 B2 20100106; KR 100594341 B1 20060630; KR 20010032542 A 20010425; PL 188031 B1 20041130; PL 340638 A1 20010212; WO 9927051 A1 19990603

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US 55515400 A 20000821; AT 98961208 T 19981117; DE 19752165 A 19971126; DE 59808845 T 19981117; EP 9807347 W 19981117; EP 98961208 A 19981117; ES 98961208 T 19981117; HU P0004376 A 19981117; JP 2000522196 A 19981117; KR 20007005785 A 20000526; PL 34063898 A 19981117