

Title (en)

Stable nonaqueous bleaching detergent composition dispersion

Title (de)

Stabile nichtwässrige Bleich-, Wasch- und Reinigungsmitteldispersion

Title (fr)

Composition détergente blanchissante sous forme de dispersion stable non-aqueuse

Publication

EP 1614741 A1 20060111 (EN)

Application

EP 04103183 A 20040706

Priority

EP 04103183 A 20040706

Abstract (en)

The invention pertains to a nonaqueous bleaching detergent composition comprising a dispersion of: a) from 20% to 85% by weight of a solid bleaching agent, b) from 0.1 to 10% by weight of a thickening agent, c) from 0 to 0.3% by weight of a thickening agent activator, d) from 0 to 23% by weight of an auxiliary compound, and e) at least 14.9% by weight up to a total of 100% by weight of a nonaqueous liquid, which is chemically inert to the bleaching agent and wherein the solubility of the bleaching agent is less than 10 mg/l. The composition is effective for washing machines, dishwashing and cleaning in place applications in removing coffee, tea, and wine stains and the like. The composition can be made in substantially higher concentrations than prior art compositions, and is nevertheless stable under storage conditions.

IPC 8 full level

C11D 3/12 (2006.01); **C11D 3/18** (2006.01); **C11D 3/20** (2006.01); **C11D 3/37** (2006.01); **C11D 3/382** (2006.01); **C11D 3/384** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP KR US)

C11D 3/12 (2013.01 - KR); **C11D 3/1266** (2013.01 - EP US); **C11D 3/18** (2013.01 - EP KR US); **C11D 3/2093** (2013.01 - EP US); **C11D 3/37** (2013.01 - KR); **C11D 3/3707** (2013.01 - EP US); **C11D 3/3749** (2013.01 - EP US); **C11D 3/3765** (2013.01 - EP US); **C11D 3/382** (2013.01 - EP US); **C11D 3/3947** (2013.01 - EP US); **C11D 3/395** (2013.01 - KR); **C11D 3/3955** (2013.01 - EP US); **C11D 3/3956** (2013.01 - EP US); **C11D 11/0094** (2013.01 - EP US); **C11D 17/0004** (2013.01 - EP US)

Citation (search report)

- [X] WO 9322412 A1 19931111 - UNILEVER PLC [GB], et al
- [X] GB 2217727 A 19891101 - UNILEVER PLC [GB]
- [X] WO 9961571 A1 19991202 - HENKEL KGAA [DE], et al
- [X] WO 0166685 A1 20010913 - HENKEL KGAA [DE], et al
- [X] WO 9800507 A2 19980108 - PROCTER & GAMBLE [US], et al
- [X] US 4655954 A 19870407 - BROZE GUY [BE], et al
- [DA] US 5164106 A 19921117 - AHMED FAHIM U [US], et al

Cited by

EP2045315A1; WO2009040728A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1614741 A1 20060111; AU 2005270162 A1 20060209; BR PI0512726 A 20080408; CA 2572500 A1 20060209; CN 100577786 C 20100106; CN 1977037 A 20070606; EP 1778827 A1 20070502; JP 2008506005 A 20080228; KR 20070028521 A 20070312; MX PA06015110 A 20070327; US 2008263778 A1 20081030; WO 2006014223 A1 20060209

DOCDB simple family (application)

EP 04103183 A 20040706; AU 2005270162 A 20050615; BR PI0512726 A 20050615; CA 2572500 A 20050615; CN 200580021250 A 20050615; EP 05759218 A 20050615; JP 2007520321 A 20050615; KR 20077000307 A 20070105; MX PA06015110 A 20050615; US 2005021160 W 20050615; US 57042505 A 20050615