

Title (en)
Self-thickened acidic cleaning compositions

Title (de)
Selbstverdickende saure Reinigungsmittel

Title (fr)
Compositions acides de nettoyage auto-épaissantes

Publication
EP 0875551 A1 19981104 (EN)

Application
EP 97870057 A 19970430

Priority
EP 97870057 A 19970430

Abstract (en)

The present invention relates to liquid acidic thickened compositions having a viscosity of at least 10 m Pa s, when measured with a Carri-med rheometer at 5 N/m<2> at 20 DEG C, and a pH below 4, said composition comprising a thickening system comprising a zwitterionic surfactant and an anionic surfactant at a weight ratio of said zwitterionic surfactant to said anionic surfactant of at least 2:1, and from 0.1% to 70% by weight of the total composition of an acid. Said compositions deliver excellent limescale removal performance as well as outstanding greasy soap scum cleaning on hard-surfaces. The compositions are suitable for the cleaning of non-horizontal and horizontal surfaces.

IPC 1-7
C11D 1/94; C11D 17/00

IPC 8 full level
C02F 5/12 (2006.01); **C02F 5/00** (2006.01); **C11D 1/94** (2006.01); **C11D 3/02** (2006.01); **C11D 3/20** (2006.01); **C11D 3/34** (2006.01);
C11D 17/00 (2006.01); C11D 1/14 (2006.01); C11D 1/22 (2006.01); C11D 1/24 (2006.01); C11D 1/29 (2006.01); C11D 1/90 (2006.01)

CPC (source: EP)
C11D 1/94 (2013.01); **C11D 3/042** (2013.01); **C11D 3/2082** (2013.01); **C11D 3/3418** (2013.01); **C11D 1/14** (2013.01); **C11D 1/22** (2013.01);
C11D 1/24 (2013.01); **C11D 1/29** (2013.01); **C11D 1/90** (2013.01); **C11D 3/3409** (2013.01)

Citation (search report)

- [A] EP 0601990 A1 19940615 - PROCTER & GAMBLE [US]
- [A] EP 0342786 A2 19891123 - CLOROX CO [US]
- [A] EP 0518401 A1 19921216 - PROCTER & GAMBLE [US]
- [A] EP 0606712 A1 19940720 - CLOROX CO [US]
- [A] DATABASE WPI Section Ch Week 9125, Derwent World Patents Index; Class A97, AN 91-182435, XP002042786

Cited by
EP1566431A1; AU2006279599B2; FR2898067A1; FR2897611A1; WO2007022235A1; WO2014056906A1; WO2005083048A1; US8883262B2;
US7591272B2; US7635672B1; US6743764B1; WO2007099239A3; WO2007096562A3

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

DOCDB simple family (publication)
EP 0875551 A1 19981104; CA 2287835 A1 19981105; JP 2001522305 A 20011113; WO 9849257 A1 19981105

DOCDB simple family (application)
EP 97870057 A 19970430; CA 2287835 A 19980424; IB 9800644 W 19980424; JP 54677598 A 19980424