

Title (en)

Stabilized built aqueous liquid softergent compositions.

Title (de)

Stabilisierte, wässrig-flüssige, verstärkte, Weichmacher enthaltende Waschmittelzusammensetzung.

Title (fr)

Compositions détergentes-adoucissantes liquides aqueuses renforcées stabilisées.

Publication

EP 0580245 A2 19940126 (EN)

Application

EP 93202130 A 19930720

Priority

- US 4068393 A 19930331
- US 91521092 A 19920720

Abstract (en)

The preferred "softergent" compositions include a clay softener, a mixture of anionic and nonionic surfactants, and detergent builder(s). The detergent builder is preferably a crystalline aluminosilicate zeolite. Stabilization is achieved using an antiflocculating structurant polymer, such as low molecular weight polyacrylic acid. The anionic surfactant is preferably an ethoxylated alkyl sulfate. Enzymes and enzyme stabilizers are also included in preferred compositions.

IPC 1-7

C11D 3/37; C11D 3/12; C11D 1/29; C11D 1/83; C11D 3/386

IPC 8 full level

C11D 1/29 (2006.01); **C11D 1/83** (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01); **C11D 1/72** (2006.01); **C11D 3/3765** (2006.01)

CPC (source: EP KR)

C11D 1/29 (2013.01 - EP); **C11D 1/83** (2013.01 - EP); **C11D 3/00** (2013.01 - KR); **C11D 3/1266** (2013.01 - EP); **C11D 3/128** (2013.01 - EP); **C11D 3/3765** (2013.01 - EP); **C11D 3/38663** (2013.01 - EP); **D06M 10/00** (2013.01 - KR); **C11D 1/72** (2013.01 - EP); **C11D 1/722** (2013.01 - EP)

Cited by

US9688945B2; EP2727990A3; EP1141209A4; CN104364362A; EP0859824A4; EP0802969A4; EP0880578A4; US5962398A; GB2297977A; EP0755999A1; EP0756001A1; US9150819B2; US9725679B2; WO2010020476A3; WO9600276A1; WO9610625A1; US8232239B2; US8367601B2; US6440922B1; US10415003B2; US10947481B2; US11466233B2; US8673838B2; US9388366B2; US9969957B2; US10415004B2; WO2013160023A1; WO2022233369A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IE IT LI LU NL SE

DOCDB simple family (publication)

EP 0580245 A2 19940126; **EP 0580245 A3 19960515**; AU 4171493 A 19940127; AU 669900 B2 19960627; BR 9302915 A 19940216; CA 2100827 A1 19940121; KR 940005791 A 19940322; MY 121191 A 20060128; NZ 248093 A 19960528; TR 28471 A 19960724; TW 338773 B 19980821

DOCDB simple family (application)

EP 93202130 A 19930720; AU 4171493 A 19930701; BR 9302915 A 19930719; CA 2100827 A 19930719; KR 930013865 A 19930719; MY PI9301359 A 19930713; NZ 24809393 A 19930706; TR 61093 A 19930720; TW 82105597 A 19930714