

Title (en)

Granular detergent composition.

Title (de)

Granulare Waschmittelzusammensetzung.

Title (fr)

Composition de détergent granulaire.

Publication

EP 0653481 A1 19950517 (EN)

Application

EP 93309042 A 19931111

Priority

EP 93309042 A 19931111

Abstract (en)

The present invention is concerned with a granular detergent component having a bulk density of less than 400 g/l comprising from 20% to 50% by weight of aluminosilicate; and optionally up to 50% by weight of a co-filler; and 0.05% to 2% by weight of anionic surfactant, especially is C14-C20 alkyl sulphate. The low bulk density component is preferably mixed with other components such as percarbonate, silicate, layered silicate, carbonate, bicarbonate, sesquicarbonate, sulphate, citrate or mixtures of these.

IPC 1-7

C11D 3/12; **C11D 17/06**

IPC 8 full level

C11D 1/14 (2006.01); **C11D 3/08** (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 3/36** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

C11D 3/128 (2013.01); **C11D 17/06** (2013.01)

Citation (search report)

- [A] DE 3534888 A1 19860410 - TOYO SODA MFG CO LTD [JP]
- [A] EP 0139523 A2 19850502 - UNILEVER PLC [GB], et al
- [A] EP 0270240 A2 19880608 - UNILEVER PLC [GB], et al
- [A] US 4478735 A 19841023 - YAZAKI MITSUYOSHI [JP], et al

Cited by

CN1111595C; EP1918362A1; CN1110543C; EP0863973A4; US6069124A; GB2356201A; US6063751A; US5958871A; WO9712955A1; WO2008047302A3; WO9712956A1; WO9601887A1; WO9743399A1; US6303558B1; US6191095B1; US6221831B1; WO9854286A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0653481 A1 19950517; AU 1039395 A 19950529; BR 9408033 A 19961217; CA 2174721 A1 19950518; CA 2174721 C 19991214; CN 1047792 C 19991229; CN 1139451 A 19970101; JP H09505097 A 19970520; WO 9513344 A1 19950518

DOCDB simple family (application)

EP 93309042 A 19931111; AU 1039395 A 19941011; BR 9408033 A 19941011; CA 2174721 A 19941011; CN 94194702 A 19941011; JP 51382495 A 19941011; US 9411511 W 19941011