

Title (en)

Detergent compositions.

Title (de)

Reinigungsmittel.

Title (fr)

Compositions détergentes.

Publication

EP 0425277 A2 19910502 (EN)

Application

EP 90311672 A 19901024

Priority

GB 8924294 A 19891027

Abstract (en)

A granular detergent base composition having a bulk density of at least 650 g/litre comprises: an organic surfactant system consisting essentially of fatty acid soap (5-40 wt% on composition), alkoxylated nonionic surfactant (5-35 wt% on composition) and preferably free of nonsoap anionic surfactant; a detergency builder system consisting essentially of alkali metal aluminosilicate (20-60 wt% anhydrous on composition) and an organic sequestrant builder such as alkali metal citrate (2-15 wt% on composition); and optionally various other detergent ingredients such as sodium carbonate, sodium silicate, sodium succinate. The detergent base composition can be prepared by densification of a spray-dried base powder in a high-speed mixer/granulator. It combines good detergency with a lack of environmentally questionable ingredients, and dispenses well in a drum-type washing machine despite the high bulk density.

IPC 1-7

C11D 3/12; C11D 10/04; C11D 17/06

IPC 8 full level

C11D 3/12 (2006.01); C11D 10/04 (2006.01); C11D 11/00 (2006.01); C11D 17/06 (2006.01); C11D 1/72 (2006.01)

CPC (source: EP KR)

C11D 1/00 (2013.01 - KR); C11D 3/128 (2013.01 - EP); C11D 10/045 (2013.01 - EP); C11D 17/06 (2013.01 - KR); C11D 17/065 (2013.01 - EP); C11D 1/72 (2013.01 - EP)

Cited by

US5736502A; US5854198A; US5840668A; US6069124A; EP0509787A3; US5583098A; EP0544365A1; US5565137A; KR100334733B1; US6051545A; US5723428A; USH1653H; EP0686186A4; USRE39139E; EP0460897A3; US5298183A; US6066615A; EP0552053A1; US5259982A; CN1045310C; EP0552054A1; US5259981A; CN1045311C; EP0513824A3; US5468516A; US6303558B1; US6191095B1; US6506720B1; EP0820762A1; US6358910B1; US7008912B1; WO2006010482A1; WO9734979A1; WO9514766A1; WO9207060A1; US6221831B1; WO2022268657A1; WO2022268728A1; EP0643130B1; WO9854286A1; WO9507338A1

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