

Title (en)

High bulk density granular detergent compositions.

Title (de)

Körnige Detergentszusammensetzungen mit hohem Schüttgewicht.

Title (fr)

Compositions détergentes granulaires à haute densité apparente.

Publication

EP 0518576 A2 19921216 (EN)

Application

EP 92305203 A 19920605

Priority

GB 9112384 A 19910610

Abstract (en)

A granular detergent composition comprises at least one detergent-active compound, an alkali metal carbonate detergency builder, finely divided calcium carbonate having a surface area of at least 10 m²/g, a peroxy bleach system, and optionally other detergent ingredients; has a bulk density of at least 750 g/litre; and contains not more than 4 wt%, and preferably not more than 2 wt%, of water removable at 75 DEG C.

IPC 1-7

C11D 1/83; C11D 3/10; C11D 3/12; C11D 3/39; C11D 11/02; C11D 17/06

IPC 8 full level

C11D 3/10 (2006.01); **C11D 3/12** (2006.01); **C11D 3/39** (2006.01); **C11D 11/02** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

C11D 3/10 (2013.01); **C11D 3/1233** (2013.01); **C11D 3/3942** (2013.01); **C11D 11/02** (2013.01); **C11D 17/065** (2013.01)

Cited by

US5773399A; US5733865A; US5731279A; US6130194A; CN1080297C; US5658867A; US6114289A; US6100232A; US5707959A;
AU2021204239B2; US6610645B2; WO9516019A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0518576 A2 19921216; EP 0518576 A3 19930804; EP 0518576 B1 19980128; CA 2070471 A1 19921211; CA 2070471 C 19970506;
DE 69224233 D1 19980305; DE 69224233 T2 19980520; ES 2112299 T3 19980401; GB 9112384 D0 19910731; IN 174518 B 19941231;
TW 229228 B 19940901; ZA 924231 B 19931210

DOCDB simple family (application)

EP 92305203 A 19920605; CA 2070471 A 19920604; DE 69224233 T 19920605; ES 92305203 T 19920605; GB 9112384 A 19910610;
IN 187BO1992 A 19920610; TW 81104522 A 19920610; ZA 924231 A 19920610