

Title (en)
DETERGENT COMPOSITIONS

Title (de)
WASCHMITTELZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DETERGENTES

Publication
EP 0670887 B1 19980204 (EN)

Application
EP 93924768 A 19931115

Priority
• GB 9302345 W 19931115
• GB 9224014 A 19921116

Abstract (en)
[origin: WO9411487A1] A particulate detergent composition having a bulk density of at least 600 g/l comprises a surfactant system comprising a nonionic surfactant, at least one detergency builder and optionally other detergent ingredients, wherein the nonionic surfactant comprises a condensation product of ethylene oxide with an aliphatic alcohol having an average alkyl chain length of less than C12 and an average degree of ethoxylation not exceeding 8, and the surfactant system is free of ethoxylated nonionic surfactants having an average chain length of C12 or above and an average degree of ethoxylation below 7. The use of short-chain nonionic surfactant improves delivery of the composition to the wash in an automatic washing machine, and also gives detergency benefits.

IPC 1-7
C11D 17/06; **C11D 1/72**

IPC 8 full level
C11D 1/14 (2006.01); **C11D 1/72** (2006.01); **C11D 3/12** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)
C11D 1/72 (2013.01); **C11D 17/065** (2013.01)

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9411487 A1 19940526; AU 5431294 A 19940608; AU 689449 B2 19980402; BR 9307457 A 19990831; CZ 105195 A3 19951115; CZ 284655 B6 19990113; DE 69316917 D1 19980312; DE 69316917 T2 19980528; DE 69316917 T3 20010329; EP 0670887 A1 19950913; EP 0670887 B1 19980204; EP 0670887 B2 20001227; ES 2112437 T3 19980401; ES 2112437 T5 20010216; GB 9224014 D0 19930106; HU 217238 B 19991228; HU T72620 A 19960528; IN 179513 B 19971011; JP 2776985 B2 19980716; JP H08503240 A 19960409; PL 174609 B1 19980831; PL 308363 A1 19950724; SK 280568 B6 20000313; SK 63995 A3 19960403; ZA 938507 B 19950515

DOCDB simple family (application)
GB 9302345 W 19931115; AU 5431294 A 19931115; BR 9307457 A 19931115; CZ 105195 A 19931115; DE 69316917 T 19931115; EP 93924768 A 19931115; ES 93924768 T 19931115; GB 9224014 A 19921116; HU 9501434 A 19931115; IN 389BO1993 A 19931116; JP 51187194 A 19931115; PL 30836393 A 19931115; SK 63995 A 19931115; ZA 938507 A 19931115