

Title (en)
DETERGENT COMPOSITIONS

Title (de)
WASCHMITTELZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DETERGENTES

Publication
EP 0700428 B2 20060705 (EN)

Application
EP 94915115 A 19940426

Priority
• EP 9401291 W 19940426
• GB 9310823 A 19930526
• GB 9313857 A 19930705

Abstract (en)
[origin: WO9428109A1] A particulate detergent composition of high bulk density contains a surfactant system consisting essentially of primary alcohol sulphate and ethoxylated nonionic surfactant in a ratio of 0.68:1 - 2.5:1. The composition also contains zeolite builder and optionally may also contain a water-soluble organic builder such as sodium citrate. The composition shows better delivery into the wash and solubility characteristics than similar compositions having a lower ratio of primary alcohol sulphate to nonionic surfactant; and lower zeolite levels and more highly ethoxylated nonionic surfactant may be used without loss of detergency.

IPC 8 full level
C11D 1/72 (2006.01); **C11D 1/83** (2006.01); **C11D 3/12** (2006.01); **C11D 3/20** (2006.01); **C11D 10/02** (2006.01); **C11D 17/06** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01)

CPC (source: EP)
C11D 1/72 (2013.01); **C11D 1/83** (2013.01); **C11D 3/128** (2013.01); **C11D 3/2086** (2013.01); **C11D 17/065** (2013.01); **C11D 1/14** (2013.01); **C11D 1/146** (2013.01); **C11D 1/22** (2013.01)

Citation (opposition)
Opponent :
• EP 0460925 A2 19911211 - UNILEVER PLC [GB], et al
• EP 0384070 A2 19900829 - UNILEVER PLC [GB], et al
• EP 0544492 A1 19930602 - UNILEVER PLC [GB], et al

Cited by
US8778386B2

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

DOCDB simple family (publication)
WO 9428109 A1 19941208; AU 6648494 A 19941220; CZ 310095 A3 19960515; DE 69412822 D1 19981001; DE 69412822 T2 19990114; DE 69412822 T3 20061109; EP 0700428 A1 19960313; EP 0700428 B1 19980826; EP 0700428 B2 20060705; ES 2121604 T3 19981201; ES 2121604 T5 20070316; GB 9324127 D0 19940112; HU 9503373 D0 19960129; HU T74020 A 19961028; JP H08511291 A 19961126; PL 311748 A1 19960318; SK 144595 A3 19960403

DOCDB simple family (application)
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