

Title (en)

HIGH-DENSITY GRANULATED DETERGENT COMPOSITION

Title (de)

GRANULIERTE WASCHMITTELZUSAMMENSETZUNG MIT HOHER DICHT

Title (fr)

COMPOSITION DE DETERGENT GRANULEE HAUTE DENSITE

Publication

EP 0877080 A1 19981111 (EN)

Application

EP 97900466 A 19970121

Priority

- JP 9700112 W 19970121
- JP 856196 A 19960122
- JP 3378996 A 19960221

Abstract (en)

A high-density powdered detergent composition which has a bulk density of 0.6 to 1.2 g/ml and which comprises 0.5 to 30 % by weight of (a) an aspartic acid diacetic acid salt, 5 to 45 % by weight of (b) a nonionic surfactant having an HLB value of 10.5 to 15.0, 0.5 to 15 % by weight of (c) an anionic surfactant and 1 to 30 % by weight of (d) an aluminosilicate, the weight ratio of the component (b) to the component (c) lying between 99 : 1 and 70 : 30, and each percentage being based on the total weight of the composition. This composition contains both an organic builder excellent in biodegradability and an inorganic builder, and exhibits high detergency.

IPC 1-7

C11D 17/06; **C11D 3/33**; **C11D 3/37**; **C11D 10/02**

IPC 8 full level

C11D 1/68 (2006.01); **C11D 1/72** (2006.01); **C11D 1/74** (2006.01); **C11D 3/12** (2006.01); **C11D 3/33** (2006.01); **C11D 3/37** (2006.01); **C11D 10/02** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

C11D 3/128 (2013.01); **C11D 3/33** (2013.01); **C11D 17/065** (2013.01)

Cited by

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DE FR GB

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WO 9727283 A1 19970731; DE 69709850 D1 20020228; DE 69709850 T2 20020822; EP 0877080 A1 19981111; EP 0877080 A4 19990915; EP 0877080 B1 20020102; JP 3221831 B2 20011022; JP H09263800 A 19971007

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