

Title (en)
DETERGENT ADDITIVES AND DETERGENT COMPOSITIONS CONTAINING THEM

Publication
EP 0070191 B1 19851204 (EN)

Application
EP 82303675 A 19820713

Priority
GB 8121754 A 19810715

Abstract (en)
[origin: EP0070191A1] A detergent composition contains as builder a combination of an aluminosilicate cation-exchange material, for example, Zeolite A, with an organic precipitant builder having the formula I <CHEM> wherein: R1 is C10-C24 alkyl or alkenyl, or an arylalkyl or alkylaryl group of equivalent chain length; X is CH, CR2, N or CON; R2 is C1-C3 alkyl; Y is hydrogen or a solubilising cation: n and m, which may be the same or different, are O or integers from 1 to 4; and Z is COOY or SO3Y. Preferred organic precipitant builders are the alkyl or alkenyl malonates and succinates. The inorganic phosphate content is desirably less than 10% by weight, and zero-phosphate compositions are preferred.

IPC 1-7
C11D 3/12

IPC 8 full level
C11D 3/12 (2006.01); **C11D 3/20** (2006.01); **C11D 3/33** (2006.01); **C11D 3/34** (2006.01)

CPC (source: EP)
C11D 3/128 (2013.01); **C11D 3/2075** (2013.01); **C11D 3/33** (2013.01)

Cited by
US5508258A; EP0435126A3; EP0296432A3; EP0314648A3; US4931215A; WO9215661A1

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