

Title (en)
USE OF CASEIN AS A CLEANING AGENT

Publication
EP 0244647 A3 19880608 (DE)

Application
EP 87105029 A 19830716

Priority
DE 3228479 A 19820730

Abstract (en)
[origin: US4761161A] The invention relates to a cleaning agent, particularly for textiles which has a content of milk proteins. Milk proteins are suitable for an at least partial substitution of the polyphosphates contained in conventional detergents. However, they are particularly advantageously used in textile dyeing and high pressure cleaning. With particular advantage, they can be added together with a surfactant mixture.

IPC 1-7
C11D 3/384

IPC 8 full level
C11D 3/384 (2006.01); **D06P 1/46** (2006.01); **D06P 5/04** (2006.01)

CPC (source: EP US)
C11D 3/384 (2013.01 - EP US); **D06P 1/46** (2013.01 - EP US); **D06P 5/04** (2013.01 - EP US)

Citation (search report)

- [Y] US 4079020 A 19780314 - MILLS ANTHONY KINNAIRD, et al
- [Y] EP 0013585 A1 19800723 - UNILEVER NV [NL], et al
- [Y] FR 2370090 A1 19780602 - UNILEVER NV [NL]
- [Y] FR 2303074 A1 19761001 - UNILEVER NV [NL]

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DE10061280A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
US 4761161 A 19880802; AT E33861 T1 19880515; AT E61396 T1 19910315; DE 3228479 A1 19840209; DE 3376435 D1 19880601; DE 3382198 D1 19910411; EP 0110007 A2 19840613; EP 0110007 A3 19841219; EP 0110007 B1 19880427; EP 0244647 A2 19871111; EP 0244647 A3 19880608; EP 0244647 B1 19910306; JP S5943099 A 19840309

DOCDB simple family (application)
US 89287986 A 19860728; AT 83106984 T 19830716; AT 87105029 T 19830716; DE 3228479 A 19820730; DE 3376435 T 19830716; DE 3382198 T 19830716; EP 83106984 A 19830716; EP 87105029 A 19830716; JP 13786383 A 19830729