

Title (en)

GRANULAR DETERGENT COMPOSITIONS CONTAINING FILM-FORMING POLYMERS

Publication

EP 0063399 B2 19890920 (EN)

Application

EP 82200458 A 19820415

Priority

- US 25645381 A 19810422
- US 25645481 A 19810422

Abstract (en)

[origin: EP0063399A1] Granular detergent compositions containing an organic surfactant, an aluminosilicate ion exchange material, a water-soluble neutral or alkaline salt and a film-forming polymer soluble in an aqueous slurry of the above components are disclosed. The compositions contain no or low levels of phosphate and silicate materials, yet provide granules which exhibit superior free-flowing characteristics and solubility in the laundering solution.

IPC 1-7

C11D 3/12; **C11D 17/00**

IPC 8 full level

C11D 3/12 (2006.01); **C11D 3/22** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)

C11D 3/128 (2013.01); **C11D 3/228** (2013.01); **C11D 3/3761** (2013.01); **C11D 3/3769** (2013.01)

Cited by

US4900466A; EP1529834A1; EP1529833A1; EP0087035A1; EP0221777A3; US4861503A; US7714124B2; WO9909124A1; WO2005047442A1; WO2007112382A1; WO9109932A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT NL

DOCDB simple family (publication)

EP 0063399 A1 19821027; **EP 0063399 B1 19860305**; **EP 0063399 B2 19890920**; DE 3269558 D1 19860410

DOCDB simple family (application)

EP 82200458 A 19820415; DE 3269558 T 19820415