

Title (en)

Low pH granular laundry detergent compositions containing aluminosilicate citric acid and carbonate builders

Title (de)

Niedrig-pH-Waschmittelgranulate enthaltend Aluminiumsilikat, Zitronensäure und Carbonatbuilder

Title (fr)

Compositions détergentes granulaires pour le linge ayant un pH bas et contenant des renforceurs d'aluminosilicate, d'acide citrique et de carbonate

Publication

EP 0456315 B1 19960821 (EN)

Application

EP 91201057 A 19910503

Priority

US 52057190 A 19900508

Abstract (en)

[origin: EP0456315A2] Low pH, dense granular laundry detergent compositions contain a specific aluminosilicate, citric acid and carbonate builder system, and little or no phosphate. The compositions provide good cleaning and have good physical properties.

IPC 1-7

C11D 3/12; **C11D 3/20**; **C11D 3/10**

IPC 8 full level

C11D 1/37 (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 3/20** (2006.01); **C11D 3/60** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

C11D 3/10 (2013.01); **C11D 3/128** (2013.01); **C11D 3/2086** (2013.01)

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Cited by

EP0863199A3; EP1416039A1; US5583098A; GB2271998A; US5338476A; EP1416040A1; US5723428A; US6114297A; EP0889117A4; US5300250A; TR26724A; US6936577B2; WO2015096095A1; WO9314182A1; WO9218596A1; US7026278B2; EP1272602B2

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EP 91201057 A 19910503; AR 31963691 A 19910508; AT 91201057 T 19910503; AU 7856791 A 19910506; CA 2081324 A 19910506; CN 91103778 A 19910508; DE 69121460 T 19910503; ES 91201057 T 19910503; JP 50903191 A 19910506; MX 2571491 A 19910508; TW 80104321 A 19910603; US 9103109 W 19910506