

Title (en)

Detergent composition and process for its production.

Title (de)

Reinigungsmittelzusammensetzung und Verfahren für ihre Herstellung.

Title (fr)

Composition détergente et procédé pour sa fabrication.

Publication

EP 0029299 A1 19810527 (EN)

Application

EP 80303673 A 19801017

Priority

GB 7936351 A 19791019

Abstract (en)

A detergent composition, particularly for fabric washing or dishwashing, contains a detergent active compound, an orthophosphate builder and an alkalimetal bicarbonate to reduce the initial pH. The bicarbonate is in particulate form with a preferred particle size of 50 to 500 microns. A typical composition contains 5 to 30% detergent active, 10 to 30% of a mixture of tripolyphosphate and orthophosphate in a ratio of 10:1 to 1:5 and 2 to 15% bicarbonate. Preferably the compositions also include an alkalimetal silicate in similar amounts to the bicarbonate. In use the composition gives an initial pH below 11.0 and a final pH between 9.0 and 11.0.

IPC 1-7

C11D 3/06; C11D 3/10; C11D 11/02

IPC 8 full level

C11D 3/06 (2006.01); **C11D 3/08** (2006.01); **C11D 3/10** (2006.01); **C11D 11/02** (2006.01)

CPC (source: EP)

C11D 3/08 (2013.01); **C11D 3/10** (2013.01)

Citation (search report)

- GB 2007704 A 19790523 - UNILEVER LTD
- GB 1530799 A 19781101 - UNILEVER LTD
- US 4115307 A 19780919 - MCGILVERY JAMES D
- US 4187190 A 19800205 - MCLAUGHLIN ROBERT L [US], et al
- DE 2847826 A1 19790517 - UNILEVER NV

Cited by

FR2613736A1

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AT BE CH DE FR IT LI NL SE

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EP 0029299 A1 19810527; **EP 0029299 B1 19831116**; AT E5329 T1 19831215; AU 543358 B2 19850418; AU 6329980 A 19810430; BR 8006644 A 19810422; CA 1132878 A 19821005; DE 3065627 D1 19831222; ES 496053 A0 19820801; ES 8205854 A1 19820801; GR 70220 B 19820831; JP H0228637 B2 19900625; JP S5665099 A 19810602; PT 71934 A 19801101; PT 71934 B 19820331; ZA 806368 B 19820526

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