

Title (en)

AUTOMATIC DISHWASHING DETERGENT COMPOSITION AND METHOD FOR PRODUCING THE SAME

Publication

EP 0523681 A3 19930505 (DE)

Application

EP 92112124 A 19920716

Priority

DE 4123623 A 19910717

Abstract (en)

[origin: EP0523681A2] The composition consists of a low-foam surfactant and, where appropriate, of a polycarboxylic acid and has the composition 5 - 20 % by weight of low-foam surfactant 2 - 10 % by weight of an organic acid 3 - 8 % by weight of a polycarboxylic acid 0 - 5 % by weight of nitrilotriacetate 3 - 5 % by weight of emulsifier 2 - 5 % by weight of thickener 1 - 4 % by weight of alkali remainder water which has a pH between 4 and 6, preferably about 5. The composition is produced by initially making a paste of the powdered thickener in a (liquid) non-ionic anhydrous surfactant, and adding the resulting dispersion to the liquid (dissolved) surfactant, after which the resulting solution is neutralised to a pH between 4 and 6, preferably 5, with alkali, preferably triethanolamine, for the purpose of dissolving the powdered thickener and gelling the liquid.

IPC 1-7

C11D 3/20; **C11D 1/72**; **C11D 3/37**

IPC 8 full level

C11D 1/72 (2006.01); **C11D 3/20** (2006.01); **C11D 3/33** (2006.01); **C11D 3/37** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

C11D 3/2079 (2013.01); **C11D 3/2086** (2013.01); **C11D 3/33** (2013.01); **C11D 3/3765** (2013.01); **C11D 17/003** (2013.01)

Citation (search report)

- [A] EP 0355551 A2 19900228 - HENKEL KGAA [DE]
- [A] EP 0340704 A2 19891108 - BASF AG [DE]
- [A] FR 1545299 A 19681108 - HENKEL & CIE GMBH
- [A] DE 2345834 A1 19740321 - KAO CORP

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