

Title (en)

PROCESS TO THICKEN A LIQUID DETERGENT COMPOSITION

Title (de)

VERFAHREN ZUM EINDICKEN EINER FLÜSSIGEN REINIGUNGSMITTELZUSAMMENSETZUNG

Title (fr)

PROCÉDÉ POUR ÉPAISSIR UNE COMPOSITION DE DÉTERGENT LIQUIDE

Publication

EP 2992073 B1 20181205 (EN)

Application

EP 14713067 A 20140318

Priority

- EP 13165849 A 20130429
- EP 2014055447 W 20140318
- EP 14713067 A 20140318

Abstract (en)

[origin: WO2014177321A1] A process to manufacture a liquid detergent composition thickened with a linear and or cross linked alkali swellable polyacrylate copolymer wherein the composition comprises anionic surfactant comprising linear alkylbenzene sulfonate formed by neutralisation of linear alkylbenzene sulfonic acid during the process by one or more amines, the process comprising the steps of: a) Mixing the alkali swellable polyacrylate copolymer with water, then b) Further mixing at least one amine with the mixture of step a) the amount of amine being more than sufficient to neutralise the linear alkyl benzene sulfonic acid, and then c) Adding the linear alkylbenzene sulfonic acid to the thickened mixture of step b) thereby to form the corresponding anionic surfactant by neutralisation.

IPC 8 full level

C11D 1/22 (2006.01); **C11D 1/29** (2006.01); **C11D 3/30** (2006.01); **C11D 3/37** (2006.01); **C11D 10/04** (2006.01); **C11D 11/00** (2006.01); **C11D 11/04** (2006.01)

CPC (source: EP)

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Citation (opposition)

Opponent : Henkel AG & Co. KGaA

- CA 2618882 A1 20011018 - LUBRIZOL ADVANCED MAT INC [US]
- ANONYMOUS: "Acusol? Rheology Modifiers", ROHM AND HAAS, May 2008 (2008-05-01), pages 1 - 20, XP055639401

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