

Title (en)

CONCENTRATED FLOWABLE DETERGENT COMPOSITION WITH IMPROVED PROPERTIES

Title (de)

KONZENTRIERTE FLIESSFÄHIGE WASCHMITTELZUBEREITUNG MIT VERBESSERTEN EIGENSCHAFTEN

Title (fr)

PRÉPARATION DE DÉTERGENT COULANTE ET CONCENTRÉE PRÉSENTANT DES PROPRIÉTÉS AMÉLIORÉES

Publication

EP 3974507 B1 20240410 (DE)

Application

EP 21188531 A 20210729

Priority

DE 102020212093 A 20200925

Abstract (en)

[origin: US2022098522A1] A flowable washing agent preparation containing, based on the total weight thereof, a) 1 to 7 wt. % alcohol polyalkoxylate having a weight-average molecular weight Mw in the range of from 600 g/mol to 10,000 g/mol, obtainable by reacting diols or triols having primary and/or secondary OH groups, and having a molecular weight Mw in the range of from 60 g/mol to 200 g/mol, with alkylene oxides; b) 1 to 7 wt. % polyalkoxylated polyalkyleneimine obtainable by reacting polyalkyleneimines with alkylene oxides; c) 5 to 15 wt. % alkyl ether sulfate; and d) less than 20 wt. % water, wherein the weight ratio of alcohol polyalkoxylate to polyalkoxylated polyalkyleneimine is 2:1 to 2:3, and a textile washing method using these washing agent preparations.

IPC 8 full level

C11D 1/83 (2006.01); **C11D 1/29** (2006.01); **C11D 1/72** (2006.01); **C11D 3/37** (2006.01); **C11D 11/00** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP US)

C11D 1/29 (2013.01 - EP); **C11D 3/3409** (2013.01 - US); **C11D 3/3707** (2013.01 - EP US); **C11D 3/3723** (2013.01 - EP US); **C11D 17/0008** (2013.01 - US); **C11D 17/042** (2013.01 - EP); **C11D 17/043** (2013.01 - US); **C11D 2111/12** (2024.01 - EP US)

Citation (examination)

- US 2016340611 A1 20161124 - SCHEIBEL JEFFREY JOHN [US], et al
- US 2018340136 A1 20181129 - SCHEIBEL JEFFREY JOHN [US], et al
- EP 3617297 A1 20200304 - HENKEL AG & CO KGAA [DE], et al

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EP4303289A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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