

Title (en)

IMPROVEMENTS RELATING TO FABRIC CLEANING

Title (de)

VERBESSERUNGEN IM ZUSAMMENHANG MIT STOFFFREINIGUNG

Title (fr)

PERFECTIONNEMENTS SE RAPPORTANT AU NETTOYAGE DE TISSUS

Publication

EP 3921402 A1 20211215 (EN)

Application

EP 20701792 A 20200130

Priority

- EP 19155358 A 20190204
- EP 2020052274 W 20200130

Abstract (en)

[origin: WO2020160996A1] The invention provides a liquid laundry detergent composition for improved removal of microorganisms (e.g. Staphylococcus species) from fabrics, the composition comprising: a) from 5 to 11.5% (by weight based on the total weight of the composition) of anionic surfactants selected from linear alkylbenzene sulfonates and mixtures thereof with alkyl ether sulfate; b) from 1 to 5% (by weight based on the total weight of the composition) of nonionic surfactants selected from aliphatic alcohol ethoxylates; c) from 2.75 to 15% (by weight based on the total weight of the composition) of polymeric cleaning boosters selected from soil release polymers and mixtures thereof with antiredeposition polymers; d) from 0.25 to 2% of transition metal ion sequestrants; in which the total amount of anionic surfactants (a) + nonionic surfactants (b) ranges from 8 to 15% (by weight based on the total weight of the composition); and in which the weight ratio of anionic surfactants (a) to nonionic surfactants (b) ranges from 3:1 to 12:1.

IPC 8 full level

C11D 3/48 (2006.01); **C11D 1/83** (2006.01); **C11D 3/00** (2006.01); **C11D 3/36** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)

C11D 1/83 (2013.01); **C11D 3/0036** (2013.01); **C11D 3/361** (2013.01); **C11D 3/364** (2013.01); **C11D 3/3715** (2013.01); **C11D 3/3723** (2013.01); **C11D 3/48** (2013.01); **C11D 1/146** (2013.01); **C11D 1/22** (2013.01); **C11D 1/721** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020160996 A1 20200813; AR 117984 A1 20210908; AR 117985 A1 20210908; CL 2021002019 A1 20220121; CL 2021002020 A1 20220121; EP 3921401 A1 20211215; EP 3921402 A1 20211215; WO 2020160995 A1 20200813

DOCDB simple family (application)

EP 2020052274 W 20200130; AR P200100280 A 20200203; AR P200100281 A 20200203; CL 2021002019 A 20210730; CL 2021002020 A 20210730; EP 2020052273 W 20200130; EP 20701791 A 20200130; EP 20701792 A 20200130