

Title (en)

CLEANING AGENT COMPOSITIONS CONTAINING COPOLYMER

Title (de)

COPOLYMER ENTHALTENDE REINIGUNGSMITTELZUSAMMENSETZUNGEN

Title (fr)

COMPOSITIONS DE DÉTERGENTS CONTENANT UN COPOLYMÈRE

Publication

EP 3545066 B1 20240501 (DE)

Application

EP 17807797 A 20171121

Priority

- DE 102016223590 A 20161128
- EP 2017079943 W 20171121

Abstract (en)

[origin: WO2018095915A1] Described are cleaning agent compositions containing one or more copolymers that contain cationic structural units and macro-monomer structural units, the compositions further containing one or more surfactants and water. The cleaning agent compositions are in particular advantageously suited to make surfaces treated with the cleaning agent compositions shiny and provide said surfaces with hydrophilic properties.

IPC 8 full level

C11D 3/37 (2006.01)

CPC (source: EP US)

C11D 3/3707 (2013.01 - EP); **C11D 3/3769** (2013.01 - EP US); **C11D 2111/14** (2024.01 - US)

Citation (examination)

US 2014378639 A1 20141225 - BLONDEL FRÉDÉRIC [FR], et al

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

DOCDB simple family (publication)

DE 102016223590 A1 20180530; AR 110256 A1 20190313; BR 112019009866 A2 20190806; BR 112019009866 B1 20230926; CN 109996858 A 20190709; EP 3545066 A1 20191002; EP 3545066 B1 20240501; JP 2020500970 A 20200116; MX 2019006053 A 20190814; US 11530373 B2 20221220; US 2020080029 A1 20200312; WO 2018095915 A1 20180531

DOCDB simple family (application)

DE 102016223590 A 20161128; AR P170103309 A 20171128; BR 112019009866 A 20171121; CN 201780073362 A 20171121; EP 17807797 A 20171121; EP 2017079943 W 20171121; JP 2019527856 A 20171121; MX 2019006053 A 20171121; US 201716462894 A 20171121