

Title (en)
USE IN DETERGENT COMPOSITIONS OF POLYMERS OBTAINED BY LOW-CONCENTRATION, INVERSE EMULSION POLYMERIZATION WITH A LOW CONTENT OF NEUTRALIZED MONOMERS

Title (de)
VERWENDUNG IN WASCHMITTELZUSAMMENSETZUNGEN VON DURCH NIEDRIGKONZENTRIERTE, INVERSE EMULSIONSPOLYMERISIERUNG HERGESTELLTEN POLYMEREN MIT NIEDRIGEM GEHALT AN NEUTRALISIERTEN MONOMEREN

Title (fr)
UTILISATION DANS DES COMPOSITIONS DÉTERGENTES DE POLYMÈRES OBTENUS PAR POLYMÉRISATION EN ÉMULSION INVERSE BASSE CONCENTRATION AVEC UN FAIBLE TAUX DE MONOMÈRES NEUTRALISÉS

Publication
EP 3177703 B1 20190306 (FR)

Application
EP 15759892 A 20150805

Priority
• FR 1457660 A 20140806
• FR 2015052164 W 20150805

Abstract (en)
[origin: WO2016020622A1] The present invention relates to the use, for the manufacture of a detergent liquid aqueous composition for household or industrial use, of a branched or crosslinked polymer obtained by water-in-oil inverse emulsion polymerization of an aqueous solution of one or more monomers, at least one of the monomers used being an acrylic monomer and one or more of the monomers used being a monomer bearing at least one weak acid function, the mole percentage of monomers bearing at least one weak acid function relative to all the monomers used being at least 30%, characterized in that: i) the polymerization is carried out with a concentration of all the monomers in aqueous solution belonging to the range of from 1.3 mmol to 3.6 mmol per gram of aqueous solution, ii) during the polymerization, at most 20% of the acid functions present on the monomers having at least one acid function are in neutralized form; to the resulting detergent compositions for household or industrial use and to the uses thereof for textile fibre treatment or surface treatment in particular.

IPC 8 full level
C11D 3/37 (2006.01); **C11D 17/00** (2006.01)

CPC (source: CN EP US)
C11D 3/3765 (2013.01 - CN EP US); **C11D 17/0008** (2013.01 - US); **C11D 17/003** (2013.01 - CN EP US)

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)
WO 2016020622 A1 20160211; BR 112017002282 A2 20180116; CN 107018667 A 20170804; CN 107018667 B 20191105; EP 3177703 A1 20170614; EP 3177703 B1 20190306; ES 2716416 T3 20190612; FR 3024736 A1 20160212; FR 3024736 B1 20160826; MX 2017001486 A 20170523; TR 201903816 T4 20190422; US 10407649 B2 20190910; US 2017218308 A1 20170803

DOCDB simple family (application)
FR 2015052164 W 20150805; BR 112017002282 A 20150805; CN 201580054223 A 20150805; EP 15759892 A 20150805; ES 15759892 T 20150805; FR 1457660 A 20140806; MX 2017001486 A 20150805; TR 201903816 T 20150805; US 201515500590 A 20150805