

Title (en)
WATER-SOLUBLE, HYDROPHOBICALLY ASSOCIATING COPOLYMERS HAVING NOVEL HYDROPHOBICALLY ASSOCIATING MONOMERS

Title (de)
WASSERLÖSLICHE, HYDROPHOB ASSOZIIERENDE COPOLYMERE MIT NEUARTIGEN HYDROPHOB ASSOZIIERENDEN MONOMEREN

Title (fr)
COPOLYMÈRES HYDOSOLUBLES À ASSOCIATION HYDROPHOBE COMPRENANT DE NOUVEAUX MONOMÈRES À ASSOCIATION HYDROPHOBE

Publication
EP 2931766 A1 20151021 (DE)

Application
EP 13805363 A 20131213

Priority
• EP 12197504 A 20121217
• EP 2013076523 W 20131213
• EP 13805363 A 20131213

Abstract (en)
[origin: WO2014095621A1] The present invention relates to water-soluble, hydrophobically associating copolymers, which are obtained in the presence of a non-polymerisable, surface-active compound and which contain novel hydrophobically associating monomers. The monomers comprise an ethylenically unsaturated group and a polyether block, the polyether block containing a hydrophilic polyethyleneoxy block and a hydrophobic polyalkyleneoxy block, which consists of alkyleneoxy units having at least 4 carbon atoms. The monomers can optionally have a terminal polyethyleneoxy block. The invention further relates to a method for producing the copolymers and to the use thereof.

IPC 8 full level
C08F 216/14 (2006.01)

CPC (source: EP RU US)
C08F 216/14 (2013.01 - RU); **C08F 220/56** (2013.01 - US); **C08G 65/26** (2013.01 - RU); **C09K 8/12** (2013.01 - RU);
C09K 8/588 (2013.01 - EP RU US); **E21B 43/20** (2013.01 - US); **C08F 216/1425** (2020.02 - EP RU US); **C08F 216/1433** (2020.02 - EP US)

Cited by
US9783730B2

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 2014095621 A1 20140626; AR 094021 A1 20150701; AU 2013363888 A1 20150618; AU 2013363888 B2 20170202;
BR 112015014069 A2 20170711; BR 112015014069 B1 20210831; CA 2893025 A1 20140626; CA 2893025 C 20210105;
CN 104995222 A 20151021; CN 104995222 B 20181002; EC SP15030861 A 20160129; EP 2931766 A1 20151021; JP 2016500384 A 20160112;
JP 6567423 B2 20190828; KR 102161957 B1 20201006; KR 20150095906 A 20150821; MX 2015007838 A 20150904; MY 171132 A 20190927;
RU 2015128885 A 20170125; RU 2655389 C2 20180528; US 2015329660 A1 20151119; US 9777094 B2 20171003; ZA 201505109 B 20171129

DOCDB simple family (application)
EP 2013076523 W 20131213; AR P130104750 A 20131216; AU 2013363888 A 20131213; BR 112015014069 A 20131213;
CA 2893025 A 20131213; CN 201380072936 A 20131213; EC PI201530861 A 20150717; EP 13805363 A 20131213;
JP 2015547045 A 20131213; KR 20157019210 A 20131213; MX 2015007838 A 20131213; MY PI2015001463 A 20131213;
RU 2015128885 A 20131213; US 201314652648 A 20131213; ZA 201505109 A 20150716