

Title (en)

AGENT FOR REMOVING SPOTS AND DEPOSITS

Title (de)

MITTEL ZUR ENTFERNUNG VON FLECKEN UND ABLAGERUNGEN

Title (fr)

AGENT D'ENLÈVEMENT DE TACHES ET DE DÉPÔTS

Publication

**EP 3011002 B1 20200108 (DE)**

Application

**EP 14731263 A 20140618**

Priority

- DE 102013106363 A 20130618
- EP 2014062799 W 20140618

Abstract (en)

[origin: CA2913638A1] The invention relates to an agent for removing spots or deposits from hard or soft surfaces, which agent comprises surfactants, an adhesion promoter, and at least one active substance, wherein the adhesion promoter is selected from the group of the alkylene-styrene copolymers, the olefin homopolymers or olefin copolymers of two or more olefins, wherein the polymers can also be hydrogenated, and the polyalkylene derivatives, the active substance is an acid, an alkali, a bleaching agent, and/or hydrophobic organic solvent not bound in a gel, and the agent comprises either at least 10 wt% of at least one acid or at least 10 wt% of at least one alkali and/or at least 5 wt% of a bleaching agent and/or comprises at least 10 wt% of hydrophobic organic solvent not bound in a gel.

IPC 8 full level

**C11D 3/04** (2006.01); **C11D 3/18** (2006.01); **C11D 3/20** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 3/43** (2006.01); **C11D 3/48** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP US)

**C11D 1/28** (2013.01 - US); **C11D 1/83** (2013.01 - US); **C11D 3/042** (2013.01 - EP US); **C11D 3/044** (2013.01 - EP US); **C11D 3/18** (2013.01 - EP US); **C11D 3/2075** (2013.01 - EP US); **C11D 3/3746** (2013.01 - US); **C11D 3/3749** (2013.01 - EP US); **C11D 3/3947** (2013.01 - EP US); **C11D 3/395** (2013.01 - US); **C11D 3/43** (2013.01 - EP US); **C11D 3/48** (2013.01 - EP US); **C11D 17/003** (2013.01 - EP US); **C11D 2111/12** (2024.01 - EP US); **C11D 2111/14** (2024.01 - EP US)

Citation (examination)

US 2005238601 A1 20051027 - CHENG GUANG Y [US], 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 102013106363 B3 20141211**; AU 2014283324 A1 20160211; AU 2014283324 B2 20170406; BR 112015030856 A2 20170725; CA 2913638 A1 20141224; CA 2913638 C 20181120; CN 105324474 A 20160210; CN 105324474 B 20190913; EP 3011002 A1 20160427; EP 3011002 B1 20200108; JP 2016533412 A 20161027; KR 20160021773 A 20160226; MX 2015017226 A 20161110; MY 171321 A 20191009; NZ 716097 A 20170728; PH 12015502696 A1 20160314; PH 12015502696 B1 20160314; SG 11201509718V A 20151230; US 10047322 B2 20180814; US 2016137955 A1 20160519; WO 2014202651 A1 20141224

DOCDB simple family (application)

**DE 102013106363 A 20130618**; AU 2014283324 A 20140618; BR 112015030856 A 20140618; CA 2913638 A 20140618; CN 201480035087 A 20140618; EP 14731263 A 20140618; EP 2014062799 W 20140618; JP 2016520459 A 20140618; KR 20157035175 A 20140618; MX 2015017226 A 20140618; MY PI2015704524 A 20140618; NZ 71609714 A 20140618; PH 12015502696 A 20151203; SG 11201509718V A 20140618; US 201414899983 A 20140618