

Title (en)

CLEANING AGENT FOR AUTOMATIC DOSING

Title (de)

REINIGUNGSMITTEL ZUR AUTOMATISCHEN DOSIERUNG

Title (fr)

DÉTERGENT DESTINÉ AU DOSAGE AUTOMATIQUE

Publication

**EP 3656839 B1 20240103 (DE)**

Application

**EP 19209989 A 20191119**

Priority

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IPC 8 full level

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CPC (source: EP)

**C11D 3/33** (2013.01); **C11D 3/386** (2013.01); **C11D 17/041** (2013.01); **C11D 17/045** (2013.01)

Citation (opposition)

Opponent : [UNILEVER IP HOLDINGS B.V., UNILEVER GLOBAL IP LIMITED]

- WO 2018169421 A1 20180920 - OCTAGON INT TRADE ZBIGNIEW BABELEK [PL]
- WO 2016198446 A1 20161215 - HENKEL AG & CO KGAA [DE]
- WO 2015132279 A1 20150911 - HENKEL AG & CO KGAA [DE]
- WO 2015086761 A1 20150618 - HENKEL AG & CO KGAA [DE]
- US 2012015858 A1 20120119 - KESSLER ARND [DE], et al
- US 2007054828 A1 20070308 - GENTSCHEV PAVEL [DE], et al
- EP 3008159 A2 20160420 - UNILEVER NV [NL], et al
- EP 2652108 A1 20131023 - COLGATE PALMOLIVE CO [US]
- EP 1262539 A1 20021204 - PROCTER & GAMBLE [US]
- US 6281181 B1 20010828 - VINSON PHILLIP KYLE [US], et al
- EP 0994934 A1 20000426 - PROCTER & GAMBLE [US]

Cited by

EP4379028A1; DE102019219448A1

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)

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DOCDB simple family (application)

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