

Title (en)

Washing agent and method for metering a washing agent

Title (de)

Waschmittel und Verfahren zur Dosierung eines Waschmittels

Title (fr)

Détergent et procédé de dosage d'un détergent

Publication

EP 2711413 B1 20181128 (DE)

Application

EP 13401032 A 20130408

Priority

EP 12401198 A 20120925

Abstract (en)

[origin: EP2711413A1] Washing agent, preferably washing agent for washing clothes, comprises two separate components. The first component is made of a liquid washing agent, and the second component is a booster. An independent claim is also included for dosing the washing agent by means of an automatic dosing device to separate dosing of various components of the washing agent, comprising dosing the first component of the washing agent, and subsequently dosing the second component of the washing agent in the same washing cycle with time interval.

IPC 8 full level

C11D 11/00 (2006.01); **C11D 1/83** (2006.01); **C11D 3/20** (2006.01); **C11D 3/33** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 3/42** (2006.01)

CPC (source: EP)

C11D 1/83 (2013.01); **C11D 3/2003** (2013.01); **C11D 3/33** (2013.01); **C11D 3/3757** (2013.01); **C11D 3/3905** (2013.01); **C11D 3/3942** (2013.01); **C11D 3/3947** (2013.01); **C11D 3/42** (2013.01); **C11D 2111/44** (2024.01)

Citation (examination)

WO 2011060109 A1 20110519 - PROCTER & GAMBLE [US], et al

Citation (opposition)

Opponent : Henkel AG & Co. KGaA

- EP 1394065 A1 20040303 - UNILEVER NV [NL], et al
- DE 2101340 A1 19720727
- DE 102010027992 A1 20111020 - HENKEL AG & CO KGAA [DE]
- DE 4000882 A1 19910718 - LICENTIA GMBH [DE]

Cited by

WO2023222269A1; EP3892707A1; DE102021114786A1; US11421186B2; US11788032B2; DE102021114772A1; DE102022204754A1; EP4335914A1; WO2024051880A1

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)

EP 2711413 A1 20140326; **EP 2711413 B1 20181128**; **EP 2711413 B2 20220413**; ES 2704102 T3 20190314; ES 2704102 T5 20220620; PL 2711413 T3 20190430; PL 2711413 T5 20220829; TR 201818916 T4 20190121

DOCDB simple family (application)

EP 13401032 A 20130408; ES 13401032 T 20130408; PL 13401032 T 20130408; TR 201818916 T 20130408