

Title (en)

ENZYME-CONTAINING CLEANING AGENT WITH POLYVALENT ALCOHOLS

Title (de)

ENZYMHALTIGES REINIGUNGSMITTEL MIT MEHRWERTIGEN ALKOHOLEN

Title (fr)

PRODUIT DE NETTOYAGE CONTENANT DES ENZYMES ET DES ALCOOLS POLYVALENTS

Publication

EP 2814930 B1 20171220 (DE)

Application

EP 13700509 A 20130108

Priority

- DE 102012202178 A 20120214
- EP 2013050207 W 20130108

Abstract (en)

[origin: WO2013120635A1] According to the invention, it has been discovered that enzymes in cleaning agents can be effectively stabilised by adding polyvalent, high-viscosity alcohols, even in the absence of standard enzyme stabilising agents.

IPC 8 full level

C11D 3/20 (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP US)

C11D 3/2041 (2013.01 - EP US); **C11D 3/2065** (2013.01 - EP US); **C11D 3/386** (2013.01 - EP US); **C11D 3/38663** (2013.01 - US); **C11D 17/043** (2013.01 - EP US)

Citation (examination)

- EP 1298196 A1 20030402 - UNILEVER NV [NL], et al
- WO 2013104607 A1 20130718 - HENKEL AG & CO KGAA [DE]

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 102012202178 A1 20130814; EP 2814930 A1 20141224; EP 2814930 B1 20171220; ES 2658212 T3 20180308; HU E036647 T2 20180730; PL 2814930 T3 20180530; US 2014349912 A1 20141127; WO 2013120635 A1 20130822

DOCDB simple family (application)

DE 102012202178 A 20120214; EP 13700509 A 20130108; EP 2013050207 W 20130108; ES 13700509 T 20130108; HU E13700509 A 20130108; PL 13700509 T 20130108; US 201414458405 A 20140813