

Title (en)

DETERGENT COMPOSITIONS COMPRISING BIOSURFACTANT AND ENZYME

Title (de)

WASCHMITTELZUSAMMENSETZUNGEN MIT EINEM BIOTENSID UND ENZYM

Title (fr)

COMPOSITIONS DÉTERGENTES COMPRENANT UN BIOSURFACTANT ET UNE ENZYME

Publication

EP 2596088 B1 20160928 (EN)

Application

EP 11729310 A 20110704

Priority

- EP 10170401 A 20100722
- EP 2011061210 W 20110704
- EP 11729310 A 20110704

Abstract (en)

[origin: WO2012010405A1] A cleaning composition comprising an effective amount of surfactant system and an enzyme system characterised in that the surfactant system comprises at least 1 wt% (based on the cleaning composition) of a biosurfactant of bacterial origin and at least one enzyme of bacterial origin selected from the group comprising: cellulases, lipases, esterases, peroxidases/oxidases, oxidoreductases, pectases, lyases, mannanases and mixtures thereof.

IPC 8 full level

C11D 1/06 (2006.01); **C11D 3/386** (2006.01)

CPC (source: EP)

C11D 1/06 (2013.01); **C11D 3/386** (2013.01); **C11D 3/38627** (2013.01); **C11D 3/38645** (2013.01); **C11D 3/38654** (2013.01)

Cited by

WO2024002738A1

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)

WO 2012010405 A1 20120126; BR 112013000110 A2 20170530; BR 112013000110 B1 20210511; CN 103025856 A 20130403; CN 103025856 B 20170412; EP 2596088 A1 20130529; EP 2596088 B1 20160928; ES 2609023 T3 20170418; ZA 201300378 B 20150225

DOCDB simple family (application)

EP 2011061210 W 20110704; BR 112013000110 A 20110704; CN 201180035796 A 20110704; EP 11729310 A 20110704; ES 11729310 T 20110704; ZA 201300378 A 20130115