

Title (en)

DETERGENTS AND CLEANING AGENTS CONTAINING PROTEASES FROM BACILLUS PUMILUS

Title (de)

WASCH- UND REINIGUNGSMITTEL ENTHALTEND PROTEASEN AUS BACILLUS PUMILUS

Title (fr)

PRODUITS NETTOYANTS ET DÉTERGENTS CONTENANT DES PROTÉASES DE BACILLUS PUMILUS

Publication

EP 2358858 A2 20110824 (DE)

Application

EP 09756715 A 20091116

Priority

- EP 2009065200 W 20091116
- DE 102008059447 A 20081127

Abstract (en)

[origin: WO2010060821A2] The invention relates to detergents and cleaning agents containing a protease that comprises an amino acid sequence, said sequence being at least 97.5% identical to the amino acid sequence given in SEQ ID NO.3. The detergents and cleaning agents exhibit an excellent cleaning action on protease-sensitive soiling.

IPC 8 full level

C11D 3/386 (2006.01)

CPC (source: EP US)

C11D 3/38609 (2013.01 - EP US); **C11D 3/38618** (2013.01 - EP US)

Citation (search report)

See references of WO 2010060821A2

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102008059447 A1 20100602; DK 2358858 T3 20140811; EP 2358858 A2 20110824; EP 2358858 B1 20140507; ES 2467672 T3 20140612; PL 2358858 T3 20141031; US 2011230384 A1 20110922; US 8455424 B2 20130604; WO 2010060821 A2 20100603; WO 2010060821 A3 20100729

DOCDB simple family (application)

DE 102008059447 A 20081127; DK 09756715 T 20091116; EP 09756715 A 20091116; EP 2009065200 W 20091116; ES 09756715 T 20091116; PL 09756715 T 20091116; US 201113117188 A 20110527