

Title (en)

MIXED PROTEASE ENZYME SYSTEMS FOR CLEANING PROTEIN BASED SOILS AND COMPOSITIONS INCORPORATING SAME

Title (de)

REINIGUNGSMITTEL MIT VERSCHIEDENEN PROTEASEN ZUM REINIGEN EIWEISSHALTIGER VERSCHMUTZUNGEN

Title (fr)

SYSTEMES D'ENZYMES PROTEASES MIXTES POUR ELIMINER LES TACHES A BASE DE PROTEINES ET COMPOSITIONS INCORPORANT DE TELS SYSTEMES

Publication

**EP 0988367 A1 20000329 (EN)**

Application

**EP 98920698 A 19980602**

Priority

- IB 9800845 W 19980602
- US 4857297 P 19970604

Abstract (en)

[origin: WO9855579A1] The present invention comprises a cleaning composition, particularly an automatic dishwashing composition, comprising an effective amount of a protease enzyme cleaning system comprising the combination of at least one chymotrypsin-like protease enzyme and at least one trypsin-like protease enzyme, where the at least one chymotrypsin-like protease has an enzyme activity ratio of sAAPF-pNA activity/bVGR-pNA activity of at least about 15 and the trypsin-like protease enzyme having an enzyme activity ratio of sAAPF-pNA activity/bVGR-pNA activity of less than about 10.0; and cleaning adjunct materials.

IPC 1-7

**C11D 7/42; C11D 3/386**

IPC 8 full level

**C11D 3/386** (2006.01)

CPC (source: EP)

**C11D 3/38609** (2013.01)

Citation (search report)

See references of WO 9855579A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

**WO 9855579 A1 19981210; BR 9810081 A 20000808; CA 2291646 A1 19981210; EP 0988367 A1 20000329; JP 2002502460 A 20020122**

DOCDB simple family (application)

**IB 9800845 W 19980602; BR 9810081 A 19980602; CA 2291646 A 19980602; EP 98920698 A 19980602; JP 50193999 A 19980602**