

Title (en)
ENZYMATIC DISHWASHING COMPOSITION

Publication
EP 0271156 B1 19900718 (EN)

Application
EP 87202396 A 19871202

Priority
GB 8629537 A 19861210

Abstract (en)
[origin: EP0271156A2] The present invention relates to an enzymatic dishwashing composition comprising proteases and lipases. The lipases belong to a special class, i.e. those which show a positive immunological cross-reaction with the antibody of the lipase, produced by *Chromobacter viscosum* var. *lipolyticum* NRRL B 3683. The use of the proteases and the lipases together provides for a synergistic cleaning effect of the dishwashing composition.

IPC 1-7
C11D 3/386

IPC 8 full level
C11D 7/42 (2006.01); **C11D 3/386** (2006.01); **C12N 9/20** (2006.01); **C12R 1/01** (2006.01); **C12R 1/38** (2006.01); **C12R 1/39** (2006.01)

CPC (source: EP)
C11D 3/38627 (2013.01)

Cited by
EP0554943A3; EP0346136A1; EP0381262A3; US4933287A; GB2294942A; GB2294942B; US5089163A; US5100796A; WO2011049945A2; US9040278B2; US8507243B2; US9040279B2; EP2428572A2; US8323945B2; US8975056B2; US9090887B2

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0271156 A2 19880615; EP 0271156 A3 19880803; EP 0271156 B1 19900718; AU 609433 B2 19910502; AU 8222587 A 19880616; BR 8706684 A 19880719; CA 1288369 C 19910903; DE 3763814 D1 19900823; ES 2017711 B3 19910301; GB 8629537 D0 19870121; JP H0647679 B2 19940622; JP S63159498 A 19880702; ZA 879299 B 19890830

DOCDB simple family (application)
EP 87202396 A 19871202; AU 8222587 A 19871208; BR 8706684 A 19871209; CA 553757 A 19871208; DE 3763814 T 19871202; ES 87202396 T 19871202; GB 8629537 A 19861210; JP 31079387 A 19871208; ZA 879299 A 19871210