

Title (en)

Protease compatible with lipase in dry, concentrated bleach compositions

Title (de)

Mit Lipase verträgliche Protease in trockenen konzentrierten Bleichmitteln

Title (fr)

Protéase compatible avec lipase dans les compositions solides de blanchiment

Publication

EP 0628625 B1 19990506 (EN)

Application

EP 93870099 A 19930607

Priority

EP 93870099 A 19930607

Abstract (en)

[origin: EP0628625A1] The application relates to a detergent composition or additive comprising a high level of bleach, a lipase and a double coated protease (e.g. Savinase 4.0 CT +). Also the use of said composition or additive wherein the lipolytic activity in the presence of protease remains unchanged is described.

IPC 1-7

C11D 3/386; C11D 3/39

IPC 8 full level

D06L 3/00 (2006.01); **C11D 3/386** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C12S 11/00** (2006.01); **D06L 4/40** (2017.01)

CPC (source: EP)

C11D 3/38627 (2013.01); **C11D 3/38672** (2013.01); **C11D 3/3942** (2013.01)

Citation (examination)

US 4106991 A 19780815 - MARKUSSEN ERIK KJAER, et al

Cited by

EP0755435A4; WO9708281A1; WO9622354A1

Designated contracting state (EPC)

BE DE ES FR GB GR IT PT

DOCDB simple family (publication)

EP 0628625 A1 19941214; EP 0628625 B1 19990506; AU 678027 B2 19970515; AU 7050794 A 19950103; BR 9406791 A 19960130; CA 2164587 A1 19941222; CN 1066193 C 20010523; CN 1127522 A 19960724; DE 69324802 D1 19990610; DE 69324802 T2 19991209; ES 2131103 T3 19990716; GR 3030162 T3 19990831; JP H09501451 A 19970210; WO 9429423 A1 19941222; ZA 943979 B 19950202

DOCDB simple family (application)

EP 93870099 A 19930607; AU 7050794 A 19940602; BR 9406791 A 19940602; CA 2164587 A 19940602; CN 94192823 A 19940602; DE 69324802 T 19930607; ES 93870099 T 19930607; GR 990401142 T 19990507; JP 50192995 A 19940602; US 9406189 W 19940602; ZA 943979 A 19940607