

Title (en)
DETERGENT COMPOSITIONS

Title (de)
WASCHMITTELZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DETERGENTES

Publication
EP 0898612 A1 19990303 (EN)

Application
EP 97922416 A 19970416

Priority
• GB 9607977 A 19960417
• US 9706832 W 19970416

Abstract (en)
[origin: GB2312216A] There is provided a detergent composition containing an amylase enzyme and a builder system comprising an aluminosilicate zeolite, a crystalline layered silicate and most preferably an organic polymeric compound wherein the weight ratio of said crystalline layered silicate to said amylase enzyme (120 KNU/gram activity basis) is from 7:1 to 20:1. In one preferred aspect the detergent composition contains a bleaching system capable of providing delayed release of an organic peroxyacid to a wash solution.

IPC 1-7
C11D 3/08; **C11D 3/386**

IPC 8 full level
C11D 7/42 (2006.01); **C11D 3/12** (2006.01); **C11D 3/386** (2006.01); **C11D 7/14** (2006.01); **C11D 7/20** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)
C11D 3/0084 (2013.01); **C11D 3/1273** (2013.01); **C11D 3/128** (2013.01); **C11D 3/386** (2013.01); **C11D 17/065** (2013.01)

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)
GB 2312216 A 19971022; **GB 9607977 D0 19960619**; AR 006687 A1 19990908; CA 2252361 A1 19971023; EP 0898612 A1 19990303; EP 0898612 A4 20000412; JP 3174068 B2 20010611; JP H11507989 A 19990713; WO 9739095 A1 19971023

DOCDB simple family (application)
GB 9607977 A 19960417; AR P970101555 A 19970418; CA 2252361 A 19970416; EP 97922416 A 19970416; JP 53744597 A 19970416; US 9706832 W 19970416