

Title (en)

DETERGENT COMPOSITIONS CONTAINING CELLULASE COMPOSITIONS ENRICHED IN ACIDIC ENDOGLUCANASE TYPE COMPONENTS

Publication

EP 0552276 A4 19950426 (EN)

Application

EP 91919464 A 19911004

Priority

- US 59391990 A 19901005
- US 66864091 A 19910313

Abstract (en)

[origin: WO9206210A1] Disclosed are acidic cellulase compositions enriched in endoglucanase components. Such cellulase compositions impart improved softening properties to detergent compositions when used in acidic, neutral or alkaline washing media. Additionally, such compositions impart color retention/restoration properties to the detergent composition.

IPC 1-7

C12P 21/00; D06M 16/00; D06M 11/00

IPC 8 full level

C11D 3/386 (2006.01); C12N 9/24 (2006.01); C12N 9/42 (2006.01); C12N 15/09 (2006.01); C12N 15/80 (2006.01); D06L 1/12 (2006.01); D06M 16/00 (2006.01); C12R 1/885 (2006.01); D06M 101/00 (2006.01); D06M 101/02 (2006.01); D06M 101/06 (2006.01)

CPC (source: EP)

C11D 3/38645 (2013.01); C12N 9/2437 (2013.01); C12N 15/80 (2013.01); C12Y 302/01004 (2013.01); D06M 16/003 (2013.01); D06M 2200/50 (2013.01)

Citation (search report)

- [A] FR 2108069 A1 19720512 - UNILEVER NV
- [AD] WO 8909259 A1 19891005 - NOVO INDUSTRI AS [DK]
- [A] EP 0271004 A2 19880615 - KAO CORP [JP]
- See references of WO 9206210A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9206210 A1 19920416; CA 2093425 A1 19920406; EP 0552276 A1 19930728; EP 0552276 A4 19950426; FI 931490 A0 19930401; FI 931490 A 19930531; JP H06502205 A 19940310

DOCDB simple family (application)

US 9107273 W 19911004; CA 2093425 A 19911004; EP 91919464 A 19911004; FI 931490 A 19930401; JP 51757891 A 19911004