

Title (en)

DETERGENTS CONTAINING A SURFACTANT AND A DELAYED RELEASE ENZYME

Title (de)

WASCHMITTEL ENTHALTEND EIN TENSID UND EIN ENZYM MIT VERZÖGERTER FREIGABE

Title (fr)

DETERGENTS CONTENANT UN TENSIOACTIF ET UNE ENZYME A LIBERATION RETARDEE

Publication

EP 0755433 A4 19981223 (EN)

Application

EP 95914856 A 19950324

Priority

- GB 9407276 A 19940413
- US 9503692 W 19950324

Abstract (en)

[origin: WO9528466A1] There is provided a detergent composition containing (a) a water-soluble builder; and (b) an enzyme wherein a means is provided for delaying the release to a wash solution of said enzyme relative to the release of said water-soluble builder. A pretreat wash method is also provided.

IPC 1-7

C11D 3/386; **C11D 17/06**

IPC 8 full level

D06L 1/00 (2006.01); **C11D 3/386** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 11/00** (2006.01); **C12S 11/00** (2006.01)

CPC (source: EP)

C11D 3/38672 (2013.01); **C11D 3/3907** (2013.01); **C11D 3/3945** (2013.01); **C11D 17/0039** (2013.01); **C11D 2111/44** (2024.01)

Citation (search report)

- [XY] CA 1000628 A 19761130 - PROCTER & GAMBLE
- [Y] EP 0392592 A2 19901017 - UNILEVER NV [NL], et al & US 5114611 A 19920519 - VAN KRALINGEN CORNELIS G [GB], et al
- [Y] EP 0101113 A1 19840222 - UNILEVER NV [NL], et al
- [Y] WO 9401521 A1 19940120 - PROCTER & GAMBLE [US], et al
- [Y] US 4966723 A 19901030 - HODGE STEPHEN R [GB], et al
- See references of WO 9528466A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9528466 A1 19951026; CA 2187306 A1 19951026; CA 2187306 C 20000530; CN 1083000 C 20020417; CN 1150454 A 19970521; EP 0755433 A1 19970129; EP 0755433 A4 19981223; GB 9407276 D0 19940608; JP H09512046 A 19971202

DOCDB simple family (application)

US 9503692 W 19950324; CA 2187306 A 19950324; CN 95193549 A 19950324; EP 95914856 A 19950324; GB 9407276 A 19940413; JP 52697095 A 19950324