

Title (en)

DETERGENTS CONTAINING A BUILDER AND A DELAYED RELEASE ENZYME

Title (de)

WASCHMITTEL ENTHALTEND EINEN BUILDER UND EIN ENZYM MIT VERZÖGERTER FREIGABE

Title (fr)

DETERGENTS CONTENANT UN ADJUVANT DE LAVAGE ET UNE ENZYME LIBEREE AVEC UN RETARD

Publication

EP 0755434 A4 19980729 (EN)

Application

EP 95915032 A 19950403

Priority

- GB 9407299 A 19940413
- US 9504205 W 19950403

Abstract (en)

[origin: WO9528469A1] 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 3/39**; **C11D 3/395**; **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); **C11D 17/00** (2006.01); **C12S 11/00** (2006.01)

CPC (source: EP)

C11D 3/38672 (2013.01); **C11D 3/3907** (2013.01); **C11D 3/3932** (2013.01); **C11D 3/3945** (2013.01); **C11D 17/0039** (2013.01); **C11D 2111/44** (2024.01)

Citation (search report)

- [X] US 4176079 A 19791127 - GUERRY RAYMOND E [US], et al
- [A] WO 8908694 A1 19890921 - NOVO INDUSTRI AS [DK]
- See also references of WO 9528469A1

Cited by

EP0819164B2

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 9528469 A1 19951026; AT E291074 T1 20050415; CA 2187437 A1 19951026; CA 2187437 C 20000829; CN 1100136 C 20030129; CN 1150817 A 19970528; DE 69534078 D1 20050421; DE 69534078 T2 20060413; EP 0755434 A1 19970129; EP 0755434 A4 19980729; EP 0755434 B1 20050316; ES 2239320 T3 20050916; GB 9407299 D0 19940608; JP H09512291 A 19971209

DOCDB simple family (application)

US 9504205 W 19950403; AT 95915032 T 19950403; CA 2187437 A 19950403; CN 95193616 A 19950403; DE 69534078 T 19950403; EP 95915032 A 19950403; ES 95915032 T 19950403; GB 9407299 A 19940413; JP 52699795 A 19950403