

Title (en)

Fabric-washing compositions.

Title (de)

Waschmittelzusammensetzungen für Gewebe.

Title (fr)

Compositions détergentes pour tissus.

Publication

EP 0337274 A2 19891018 (EN)

Application

EP 89105946 A 19890405

Priority

- GB 8808836 A 19880414
- GB 8809729 A 19880425

Abstract (en)

An improved alkaline enzymatic fabric-washing composition is disclosed comprising a surface-active material, detergency builders, an enzyme, a peroxide compound bleach and a peroxyacid bleach precursor of the formula: <CHEM> wherein R is an unsubstituted alkyl group containing 1 to 9 carbon atoms or a phenyl group; and M is hydrogen, alkali metal, alkaline earth metal, ammonium or alkyl or hydroxyalkyl substituted ammonium cation. The composition is effective for washing fabrics at the low temperature region of 40 DEG C and below.

IPC 1-7

C11D 3/386; C11D 3/39

IPC 8 full level

C11D 3/395 (2006.01); **C11D 3/39** (2006.01); **C11D 17/00** (2006.01); **C12S 11/00** (2006.01); **D06L 1/12** (2006.01); **D06L 3/02** (2006.01); **D06L 4/40** (2017.01)

CPC (source: EP)

C11D 3/3915 (2013.01); **C11D 17/0004** (2013.01)

Cited by

EP0426217A3; US5183473A; US6455485B1; WO9800510A3; WO9520034A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0337274 A2 19891018; EP 0337274 A3 19900829; EP 0337274 B1 19941130; AU 3259989 A 19891019; AU 614350 B2 19910829; BR 8901766 A 19891128; DE 68919506 D1 19950112; JP H01306498 A 19891211; NO 172593 B 19930503; NO 172593 C 19930811; NO 891502 D0 19890412; NO 891502 L 19891016; TR 23958 A 19910111

DOCDB simple family (application)

EP 89105946 A 19890405; AU 3259989 A 19890410; BR 8901766 A 19890413; DE 68919506 T 19890405; JP 9429489 A 19890413; NO 891502 A 19890412; TR 32089 A 19890414