

Title (en)

Aqueous liquid cleaning compositions.

Title (de)

Wässrige flüssige Reinigungsmittelzusammensetzungen.

Title (fr)

Compositions détergentes aqueuses et liquides.

Publication

EP 0533239 A2 19930324 (EN)

Application

EP 92202668 A 19920903

Priority

GB 9119936 A 19910917

Abstract (en)

A preferably mildly alkaline aqueous liquid cleaning composition, especially but not exclusively adapted for use in automatic dishwashing machines comprising an enzyme, encapsulated bleach particles, a reducing agent in an amount of from 0.01 to 0.5% by weight and water in an amount of not more than 55% by weight is disclosed. The compositions show excellent enzyme stability.

IPC 1-7

C11D 3/00; **C11D 3/386**; **C11D 3/395**; **C11D 17/00**

IPC 8 full level

C11D 3/00 (2006.01); **C11D 3/386** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 7/60** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

C11D 3/0042 (2013.01); **C11D 3/38663** (2013.01); **C11D 3/3947** (2013.01); **C11D 3/3956** (2013.01); **C11D 17/0039** (2013.01)

Cited by

CN100422301C; EP0596550A3; AU2001267456B2; EP0791647A3; AU759577B2; EP4032966A1; WO2011049945A2; US6569827B2; WO2004053042A1; US9040279B2; US8999911B2; US8507243B2; EP2199386A1; WO2005042685A1; WO0196518A1; WO0105928A1; US7888104B2; US9040278B2; EP2428572A2; US9879206B2; US10604726B2; US8709575B2; US9702664B2; US9863742B2; WO0129167A1; WO9533817A1; WO2022157311A1; US8323945B2; US8975056B2; US9090887B2; WO03055974A2; US9625237B2; US9903689B2; US7569226B2; EP0780466B2

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0533239 A2 19930324; **EP 0533239 A3 19930804**; **EP 0533239 B1 19980401**; AU 2289392 A 19930318; BR 9203530 A 19930413; CA 2078157 A1 19930318; DE 69224950 D1 19980507; DE 69224950 T2 19980813; ES 2114908 T3 19980616; GB 9119936 D0 19911030; JP H05202393 A 19930810; JP H0791559 B2 19951004; TR 26328 A 19950315; ZA 927109 B 19940317

DOCDB simple family (application)

EP 92202668 A 19920903; AU 2289392 A 19920911; BR 9203530 A 19920911; CA 2078157 A 19920914; DE 69224950 T 19920903; ES 92202668 T 19920903; GB 9119936 A 19910917; JP 24750892 A 19920917; TR 87992 A 19920916; ZA 927109 A 19920917