

Title (en)
DETERGENT COMPOSITIONS

Title (de)
WASCHMITTELZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DETERGENTES

Publication
EP 0863969 A4 19990915 (EN)

Application
EP 96923550 A 19960703

Priority
• GB 9513955 A 19950708
• US 9611104 W 19960703

Abstract (en)
[origin: GB2303140A] A detergent composition suitable for use in laundry and dishwashing methods comprises (a) a foaming surfactant system comprising surfactant selected from anionic, non-ester cationic, nonionic, ampholytic, amphoteric and zwitterionic surfactants and any mixtures thereof; (b) a hydrolysable cationic ester surfactant; (c) an alkalinity system having the capacity to deliver alkalinity to a wash solution as measured by the alkalinity release test method described herein such that the % weight NaOH equivalent of the composition is greater than 5% by weight of the composition; and (d) an antifoam compound wherein the weight ratio of foaming surfactant to cationic ester surfactant is from 100:1 to 2:1 and the weight ratio of cationic ester surfactant to antifoam compound is from 50:1 to 1:5.

IPC 1-7
C11D 1/62; **C11D 3/06**; **C11D 3/08**; **C11D 3/10**

IPC 8 full level
C11D 1/62 (2006.01); **C11D 1/65** (2006.01); **C11D 1/86** (2006.01); **C11D 1/94** (2006.01); **C11D 1/14** (2006.01); **C11D 1/52** (2006.01); **C11D 1/72** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP)
C11D 1/65 (2013.01); **C11D 1/86** (2013.01); **C11D 1/94** (2013.01); **C11D 3/0026** (2013.01); **C11D 17/046** (2013.01); **C11D 1/146** (2013.01); **C11D 1/525** (2013.01); **C11D 1/62** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)
• [DA] US 4260529 A 19810407 - LETTON JAMES C
• [DA] US 4239660 A 19801216 - KINGRY GARY W [JP]
• See references of WO 9703159A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
GB 2303140 A 19970212; **GB 9513955 D0 19950906**; AR 002781 A1 19980429; AU 6403296 A 19970210; BR 9609630 A 19990406; CA 2226577 A1 19970130; EP 0863969 A1 19980916; EP 0863969 A4 19990915; JP H11508946 A 19990803; MX 9800269 A 19980430; WO 9703159 A1 19970130

DOCDB simple family (application)
GB 9513955 A 19950708; AR 10349596 A 19960807; AU 6403296 A 19960703; BR 9609630 A 19960703; CA 2226577 A 19960703; EP 96923550 A 19960703; JP 50585897 A 19960703; MX 9800269 A 19960703; US 9611104 W 19960703