

Title (en)

Light-duty liquid or gel dishwashing detergent composition containing an alkyl ethoxy carboxylate surfactant.

Title (de)

Mildes, flüssiges oder gelförmiges Spülwaschmittel, enthaltend ein Alkyl-ethoxy-carboxylat als oberflächenaktiven Stoff.

Title (fr)

Détergent doux, liquide ou sous forme de gel pour laver la vaisselle et contenant comme agent tensio-actif un alkyl-éthoxy carboxylate.

Publication

EP 0399752 A2 19901128 (EN)

Application

EP 90305469 A 19900521

Priority

- US 35496789 A 19890522
- US 51629290 A 19900504

Abstract (en)

A light-duty liquid or gel dishwashing detergent composition containing an alkyl ethoxy carboxylate surfactant and little or no alcohol ethoxylate and soap by-product contaminants. The compositions exhibit good grease removal while manifesting mildness to the skin. A preferred type of dishwashing detergent composition is in the liquid form. High pH and magnesium ion containing versions of the compositions increase grease removal properties while maintaining mildness.

IPC 1-7

C11D 1/06; C11D 1/83; C11D 10/04

IPC 8 full level

C11D 1/06 (2006.01); **C11D 1/83** (2006.01); **C11D 10/04** (2006.01); **C11D 1/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/28** (2006.01); **C11D 1/29** (2006.01); **C11D 1/38** (2006.01); **C11D 1/52** (2006.01); **C11D 1/66** (2006.01); **C11D 1/72** (2006.01); **C11D 1/75** (2006.01); **C11D 1/90** (2006.01)

CPC (source: EP KR)

C11D 1/06 (2013.01 - EP); **C11D 1/83** (2013.01 - EP); **C11D 10/04** (2013.01 - EP); **D21D 1/00** (2013.01 - KR); **C11D 1/04** (2013.01 - EP); **C11D 1/143** (2013.01 - EP); **C11D 1/146** (2013.01 - EP); **C11D 1/22** (2013.01 - EP); **C11D 1/28** (2013.01 - EP); **C11D 1/29** (2013.01 - EP); **C11D 1/38** (2013.01 - EP); **C11D 1/521** (2013.01 - EP); **C11D 1/662** (2013.01 - EP); **C11D 1/72** (2013.01 - EP); **C11D 1/75** (2013.01 - EP); **C11D 1/90** (2013.01 - EP)

Cited by

USH1467H; US5827397A; TR25928A; US5851421A; KR20180016467A; US5837099A; TR26532A; NL9401510A; US4991044A; EP0904344A4; US5575864A; US5837065A; US5415796A; US5298195A; US5443757A; TR26664A; USH1559H; US5739092A; US5269960A; TR27773A; KR20140129766A; EP2199386A1; WO9800485A1; WO9317084A1; WO9506106A1; WO2005049775A1; WO02086041A1; WO03004594A1; WO9506107A1; WO9305132A1; WO9805743A1; WO9208777A1; WO9506108A1; WO9206157A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0399752 A2 19901128; EP 0399752 A3 19910508; EP 0399752 B1 19970806; AT E156514 T1 19970815; AU 4622193 A 19931202; AU 5575090 A 19901122; BR 9002406 A 19910806; CN 1048059 A 19901226; DE 69031193 D1 19970911; DE 69031193 T2 19980312; ES 2106729 T3 19971116; FI 902495 A0 19900521; JP 2798481 B2 19980917; JP H0331398 A 19910212; KR 900018471 A 19901221; MA 21850 A1 19901231; NZ 233747 A 19930428; TR 25117 A 19921101

DOCDB simple family (application)

EP 90305469 A 19900521; AT 90305469 T 19900521; AU 4622193 A 19930909; AU 5575090 A 19900521; BR 9002406 A 19900522; CN 90103082 A 19900522; DE 69031193 T 19900521; ES 90305469 T 19900521; FI 902495 A 19900521; JP 13243690 A 19900522; KR 900007312 A 19900522; MA 22116 A 19900521; NZ 23374790 A 19900521; TR 43290 A 19900522