

Title (en)

Detergent compositions comprising lipolytic enzymes

Title (de)

Lipolytische Enzyme enthaltende Waschmittelzusammensetzungen

Title (fr)

Compositions détergentes contenant des enzymes lipolytiques

Publication

EP 0698659 A1 19960228 (EN)

Application

EP 94306213 A 19940823

Priority

EP 94306213 A 19940823

Abstract (en)

The present invention relates to detergent compositions comprising lipase and a lipase compatible anionic surfactant system. The anionic surfactant system comprises alkyl alkoxylated sulphates having specific ratios of mono-, di- and tri-alkoxylated sulphates. The detergent compositions provide improved greasy soil removal over a wide range of temperatures.

IPC 1-7

C11D 1/29; **C11D 1/37**; **C11D 3/386**

IPC 8 full level

C11D 1/14 (2006.01); **C11D 1/29** (2006.01); **C11D 1/37** (2006.01); **C11D 1/52** (2006.01); **C11D 3/02** (2006.01); **C11D 3/16** (2006.01); **C11D 3/386** (2006.01); **C11D 1/22** (2006.01)

CPC (source: EP)

C11D 1/146 (2013.01); **C11D 1/29** (2013.01); **C11D 1/37** (2013.01); **C11D 1/52** (2013.01); **C11D 3/166** (2013.01); **C11D 3/38627** (2013.01); **C11D 1/22** (2013.01); **C11D 1/525** (2013.01)

Citation (search report)

- [A] WO 9323516 A1 19931125 - PROCTER & GAMBLE [US]
- [A] DE 3642218 A1 19870820 - LION CORP [JP]
- [A] FR 2072316 A5 19710924 - PROCTER GAMBLE EUROP
- [DA] DATABASE WPI Week 9216, Derwent World Patents Index; AN 92-128655
- [A] DATABASE WPI Week 8411, Derwent World Patents Index; AN 84-066372

Cited by

US5866525A; EP0835925A3; US7319112B2; WO2023227356A1; WO9732959A1; WO2010065455A3

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0698659 A1 19960228; CA 2198094 A1 19960229; CA 2198094 C 20001205; MX 9701366 A 19970531; WO 9606148 A1 19960229

DOCDB simple family (application)

EP 94306213 A 19940823; CA 2198094 A 19950818; MX 9701366 A 19950818; US 9509584 W 19950818