

Title (en)
LOW-FOAM DETERGENT

Title (de)
SCHAUMARMES REINIGUNGSMITTEL

Title (fr)
DETERGENT FAIBLEMENT MOUSSANT

Publication
EP 0986631 A1 20000322 (DE)

Application
EP 98937430 A 19980529

Priority
• DE 19723990 A 19970606
• EP 9803223 W 19980529

Abstract (en)
[origin: DE19723990A1] The invention relates to a detergent concentrate containing glycol ether and cationic surfactants. It is characterized in that it contains less than 0.1 wt. % fatty alcohol polyglycol ether and/or amphoteric surfactants, and that it contains a) glycol ether of general formula R-O-(CH₂-CH(CH₃)-O)_n-H, in which R is an alkyl radical with 1-4 C-atoms or a phenyl radical, and n is a number between 1 and 5, and b) cationic surfactants. The weight ratio of a) to b) is between 8:1 and 100:1.

IPC 1-7
C11D 3/43; **C11D 1/835**; **C11D 1/62**

IPC 8 full level
C11D 3/43 (2006.01); **C11D 1/62** (2006.01); **C11D 1/835** (2006.01); **C11D 3/00** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP KR US)
C11D 1/62 (2013.01 - KR); **C11D 1/835** (2013.01 - EP US); **C11D 1/94** (2013.01 - KR); **C11D 3/0026** (2013.01 - EP US); **C11D 3/0073** (2013.01 - KR); **C11D 3/2068** (2013.01 - KR); **C11D 3/2093** (2013.01 - KR); **C11D 3/43** (2013.01 - KR); **C11D 17/0008** (2013.01 - KR); **C23G 5/032** (2013.01 - KR); **C11D 1/62** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 2111/16** (2024.01 - KR)

Designated contracting state (EPC)
AT BE DE ES FR GB IT NL PT SE

DOCDB simple family (publication)
US 6187737 B1 20010213; AR 012941 A1 20001122; AT E210718 T1 20011215; AU 726452 B2 20001109; AU 8623998 A 19981221; BR 9810413 A 20000822; CA 2293524 A1 19981210; CN 1259164 A 20000705; CZ 289755 B6 20020313; CZ 9904371 A3 20010117; DE 19723990 A1 19981210; DE 59802449 D1 20020124; EP 0986631 A1 20000322; EP 0986631 B1 20011212; ES 2169536 T3 20020701; HU P0003711 A2 20010228; JP 2002508794 A 20020319; KR 20010013301 A 20010226; PL 337232 A1 20000814; TR 199902907 T2 20000522; WO 9855578 A1 19981210; ZA 984853 B 19981207

DOCDB simple family (application)
US 44516200 A 20000208; AR P980102698 A 19980605; AT 98937430 T 19980529; AU 8623998 A 19980529; BR 9810413 A 19980529; CA 2293524 A 19980529; CN 98805696 A 19980529; CZ 437199 A 19980529; DE 19723990 A 19970606; DE 59802449 T 19980529; EP 9803223 W 19980529; EP 98937430 A 19980529; ES 98937430 T 19980529; HU P0003711 A 19980529; JP 50145399 A 19980529; KR 19997011295 A 19980529; PL 33723298 A 19980529; TR 9902907 T 19980529; ZA 984853 A 19980604