

Title (en)

WASHING AND CLEANING AGENTS IN LIQUID TO PASTE FORM.

Title (de)

WASCH- UND REINIGUNGSMITTEL IN FLÜSSIGER BIS PASTÖSER FORM.

Title (fr)

AGENTS DE LAVAGE ET DE NETTOYAGE SE PRÉSENTANT SOUS FORME LIQUIDE A PATEUSE.

Publication

**EP 0647260 A1 19950412 (DE)**

Application

**EP 93912976 A 19930615**

Priority

- DE 4220423 A 19920622
- EP 9301509 W 19930615

Abstract (en)

[origin: WO9400543A1] Described are liquid to pasty washing and cleaning agents containing anionic or anionic and non-ionic surfactants in quantities from 20 to 70 % by wt., and including as anionic surfactants 2 to 25 % by wt. of sulphonated fatty-acid glycerin esters. Such washing and cleaning agents suffer no loss in washing performance compared with liquid to pasty washing- and cleaning-agent formulations usually containing surfactants. The invention enables alkylbenzene sulphonates to be completely or at least partly replaced. Preferred agents contain as anionic surfactants a mixture of sulphonated fatty-acid glycerin esters, fatty-alkyl sulphate and fatty-acid soaps or a mixture of sulphonated fatty-acid glycerin esters, alkane sulphonate and fatty-acid soaps.

IPC 1-7

**C11D 1/28; C11D 1/83; C11D 1/37; C11D 17/00**

IPC 8 full level

**C11D 1/28** (2006.01); **C11D 1/37** (2006.01); **C11D 1/83** (2006.01); **C11D 10/04** (2006.01); **C11D 17/00** (2006.01); **C11D 17/08** (2006.01);  
**C11D 1/14** (2006.01); **C11D 1/66** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)

**C11D 1/28** (2013.01); **C11D 1/83** (2013.01); **C11D 10/04** (2013.01); **C11D 17/0004** (2013.01); **C11D 1/143** (2013.01); **C11D 1/146** (2013.01);  
**C11D 1/662** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)

See references of WO 9400543A1

Designated contracting state (EPC)

AT BE DE ES FR IT NL PT

DOCDB simple family (publication)

**WO 9400543 A1 19940106**; AT E140258 T1 19960715; DE 4220423 A1 19931223; DE 59303205 D1 19960814; EP 0647260 A1 19950412;  
EP 0647260 B1 19960710; ES 2089825 T3 19961001; JP H07508054 A 19950907

DOCDB simple family (application)

**EP 9301509 W 19930615**; AT 93912976 T 19930615; DE 4220423 A 19920622; DE 59303205 T 19930615; EP 93912976 A 19930615;  
ES 93912976 T 19930615; JP 50199994 A 19930615