

Title (en)
SOLID SURFACTANT AND BUILDER-CONTAINING WASHING AND CLEANING AGENT WITH A HIGH BULK DENSITY OR COMPOUND FOR SUCH AN AGENT

Title (de)
FESTES TENSID- UND BUILDER-HALTIGES WASCH- UND REINIGUNGSMITTEL MIT HOHEM SCHÜTTGEWICHT ODER COMPOUND HIERFÜR

Title (fr)
DETERGENT ET NETTOYANT SOLIDE A MASSE VOLUMIQUE APPARENTE ELEVEE CONTENANT DES TENSIOACTIFS ET DES ADJUVANTS, ET COMPOSE APPROPRIE

Publication
EP 0888449 A1 19990107 (DE)

Application
EP 97907093 A 19970312

Priority
• DE 19611013 A 19960321
• EP 9701241 W 19970312

Abstract (en)
[origin: DE19611013A1] The washing and cleaning agent proposed contains 0.1 to 10 % by wt. of C9-C13 alkylbenzene sulphonate and 10 to 50 % by wt. of C8-C22 alkyl sulphate as anionic surfactants and 10 to 45 % by wt. of water-soluble silicates and up to 30 % by wt. of zeolite as builders. The agent exhibits excellent powder properties, such as a low tendency to stick and ease of solubility.

IPC 1-7
C11D 17/06; **C11D 3/08**; **C11D 1/83**; **C11D 3/12**; **C11D 3/395**; **C11D 3/386**

IPC 8 full level
C11D 1/37 (2006.01); **C11D 1/83** (2006.01); **C11D 3/08** (2006.01); **C11D 3/12** (2006.01); **C11D 3/386** (2006.01); **C11D 3/395** (2006.01); **C11D 17/06** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/66** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)
C11D 1/37 (2013.01); **C11D 1/83** (2013.01); **C11D 3/08** (2013.01); **C11D 3/128** (2013.01); **C11D 17/065** (2013.01); **C11D 1/146** (2013.01); **C11D 1/22** (2013.01); **C11D 1/66** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)
See references of WO 9734994A1

Cited by
US7910538B2; WO2009149276A1

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

DOCDB simple family (publication)
WO 9734994 A1 19970925; AT E210179 T1 20011215; DE 19611013 A1 19970925; DE 59705671 D1 20020117; EP 0888449 A1 19990107; EP 0888449 B1 20011205; ES 2169357 T3 20020701

DOCDB simple family (application)
EP 9701241 W 19970312; AT 97907093 T 19970312; DE 19611013 A 19960321; DE 59705671 T 19970312; EP 97907093 A 19970312; ES 97907093 T 19970312