

Title (en)
POURABLE LIQUID AQUEOUS CLEANING-AGENT CONCENTRATES (II)

Title (de)
GIESSFÄHIGE FLÜSSIGE WÄSSRIGE REINIGUNGSMITTELKONZENTRATE II

Title (fr)
CONCENTRES II DE DETERGENTS LIQUIDES AQUEUX COULANTS

Publication
EP 0702711 B1 19970312 (DE)

Application
EP 94919605 A 19940603

Priority
• DE 4319287 A 19930611
• EP 9401816 W 19940603

Abstract (en)
[origin: US5756442A] PCT No. PCT/EP94/01816 Sec. 371 Date Dec. 11, 1995 Sec. 102(e) Date Dec. 11, 1995 PCT Filed Jun. 3, 1994 PCT Pub. No. WO94/29418 PCT Pub. Date Dec. 22, 1994 Pourable, liquid, aqueous cleaning concentrates comprising a) at least about 10% by weight of at least one water soluble abrasive; and b) from about 2 to about 30% by weight of a mixture of narrow-range alkyl polyglycol ethers, amphoteric surfactants and soap, the ratio by weight of amphoteric surfactants to narrow-range alkyl polyglycol ethers being 1:10 to 3:1, the ratio by weight of amphoteric surfactants to soap being 15:1 to 1:3 and the ratio by weight of narrow-range alkyl polyglycol ethers to soap being 25:1 and 1:1.\!

IPC 1-7
C11D 3/10; **C11D 10/04**; **C11D 17/00**

IPC 8 full level
C11D 3/10 (2006.01); **C11D 10/04** (2006.01); **C11D 17/00** (2006.01); **C11D 1/66** (2006.01); **C11D 1/72** (2006.01); **C11D 1/722** (2006.01); **C11D 1/88** (2006.01); **C11D 1/90** (2006.01)

CPC (source: EP KR US)
C11D 3/10 (2013.01 - EP KR US); **C11D 10/04** (2013.01 - EP US); **C11D 17/0013** (2013.01 - EP US); **C11D 1/66** (2013.01 - EP US); **C11D 1/662** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 1/722** (2013.01 - EP US); **C11D 1/88** (2013.01 - EP US); **C11D 1/90** (2013.01 - EP US)

Cited by
US5993562A

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

DOCDB simple family (publication)
US 5756442 A 19980526; AT E150078 T1 19970315; CA 2164985 A1 19941222; CN 1065269 C 20010502; CN 1124976 A 19960619; CZ 285195 B6 19990616; CZ 326195 A3 19960717; DE 4319287 A1 19941215; DE 59402087 D1 19970417; DK 0702711 T3 19971013; EP 0702711 A1 19960327; EP 0702711 B1 19970312; ES 2098964 T3 19970501; GR 3023775 T3 19970930; HU 218019 B 20000528; HU 9503533 D0 19960228; HU T72473 A 19960429; KR 960702862 A 19960523; PL 175463 B1 19981231; PL 311964 A1 19960318; SK 154095 A3 19970604; SK 280903 B6 20000912; WO 9429418 A1 19941222

DOCDB simple family (application)
US 55697795 A 19951211; AT 94919605 T 19940603; CA 2164985 A 19940603; CN 94192371 A 19940603; CZ 326195 A 19940603; DE 4319287 A 19930611; DE 59402087 T 19940603; DK 94919605 T 19940603; EP 9401816 W 19940603; EP 94919605 A 19940603; ES 94919605 T 19940603; GR 970401413 T 19970612; HU 9503533 A 19940603; KR 19950705546 A 19951207; PL 31196494 A 19940603; SK 154095 A 19940603