

Title (en)

COMPOSITION FOR CLEANING OR RINSING HARD SURFACES

Title (de)

SPÜL- UND REINIGUNGSMITTEL FÜR HARTE OBERFLÄCHEN

Title (fr)

COMPOSITION NETTOYANTE OU RINCANTE POUR SURFACES DURES

Publication

EP 1594945 A1 20051116 (FR)

Application

EP 03799667 A 20031219

Priority

- FR 0303841 W 20031219
- FR 0302079 A 20030220
- FR 0309527 A 20030801

Abstract (en)

[origin: FR2851572A1] Aqueous or aqueous alcoholic compositions (A) for cleaning or rinsing hard surfaces contain at least one polybetaine (I) having (a) an overall permanent anionic and cationic charges over a pH range of 1-14, each betaine unit having as many permanent anionic charges as cationic charges and (b) a weight average molecular weight (M w) of 5000-3000000 (preferably 8000-100000, especially 10000-50000). An independent claim is included for the preparation of (I).

IPC 1-7

C11D 3/37

IPC 8 full level

C11D 11/00 (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP US)

C11D 3/3796 (2013.01 - EP US); **C11D 2111/14** (2024.01 - EP US)

Citation (search report)

See references of WO 2004083354A1

Cited by

US8883262B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2851572 A1 20040827; **FR 2851572 B1 20070406**; AU 2003299381 A1 20041011; BR 0318128 A 20060207; BR 0318128 B1 20130827; CA 2516405 A1 20040930; CA 2516405 C 20120214; EP 1594945 A1 20051116; EP 1594945 B1 20170301; ES 2626984 T3 20170726; JP 2006514150 A 20060427; JP 2010100861 A 20100506; US 2006217286 A1 20060928; US 7923428 B2 20110412; WO 2004083354 A1 20040930

DOCDB simple family (application)

FR 0309527 A 20030801; AU 2003299381 A 20031219; BR 0318128 A 20031219; CA 2516405 A 20031219; EP 03799667 A 20031219; ES 03799667 T 20031219; FR 0303841 W 20031219; JP 2005513574 A 20031219; JP 2010024332 A 20100205; US 54676803 A 20031219