

Title (en)

USE OF POLYMERIC MATERIAL IN THE TREATMENT OF HARD SURFACES

Title (de)

VERWENDUNG VON POLYMEREM MATERIAL ZUR BEHANDLUNG HARTER OBERFLÄCHEN

Title (fr)

UTILISATION DE MATIERE POLYMERÉE DANS LE TRAITEMENT DE SURFACES DURES

Publication

EP 1235895 A1 20020904 (EN)

Application

EP 00993324 A 20001124

Priority

- EP 00993324 A 20001124
- EP 0011819 W 20001124
- EP 99309884 A 19991208

Abstract (en)

[origin: WO0142415A1] Polymeric material is deposited onto hard surfaces to reduce the level of surface heterogeneous nucleation of scale forming calcium salt. Scale is nucleated in the bulk solution, resulting in calcium salts which are easier to remove.

IPC 1-7

C11D 3/37; C11D 3/22

IPC 8 full level

C11D 3/22 (2006.01); **C11D 3/37** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP)

C11D 3/222 (2013.01); **C11D 3/227** (2013.01); **C11D 3/3723** (2013.01); **C11D 3/3765** (2013.01); **C11D 3/3773** (2013.01); **C11D 3/3788** (2013.01); **C11D 2111/14** (2024.01)

Cited by

US8343286B2; US8815791B2; US8647444B2; US8876982B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0142415 A1 20010614; AR 033505 A1 20031226; AT E390474 T1 20080415; AU 2837301 A 20010618; CA 2392587 A1 20010614; CA 2392587 C 20090203; DE 60038458 D1 20080508; DE 60038458 T2 20090402; EP 1235895 A1 20020904; EP 1235895 B1 20080326; ES 2304360 T3 20081016; HU P0203811 A2 20030328; HU P0203811 A3 20051028; ZA 200203357 B 20030429

DOCDB simple family (application)

EP 0011819 W 20001124; AR P000106483 A 20001207; AT 00993324 T 20001124; AU 2837301 A 20001124; CA 2392587 A 20001124; DE 60038458 T 20001124; EP 00993324 A 20001124; ES 00993324 T 20001124; HU P0203811 A 20001124; ZA 200203357 A 20020426