

Title (en)

PROCESS FOR PRODUCING PASTY WASHING AGENTS

Title (de)

VERFAHREN ZUR HERSTELLUNG PASTENFÖRMIGER WASCHMITTEL

Title (fr)

PROCEDE DE FABRICATION D'UN DETERGENT SE PRESENTANT SOUS FORME DE PATE

Publication

EP 0641381 B1 19960221 (DE)

Application

EP 93909938 A 19930511

Priority

- DE 4216453 A 19920519
- EP 9301146 W 19930511

Abstract (en)

[origin: US5518645A] A process for producing a paste-form, substantially water-free detergent by heating a mixture of nonionic and anionic surfactants to a predetermined temperature, adding soap in particulate form to the heated mixture, then cooling the mixture, and adding builder components and a bleaching agent to the mixture.

IPC 1-7

C11D 17/00; **C11D 10/04**

IPC 8 full level

C11D 1/02 (2006.01); **C11D 1/04** (2006.01); **C11D 1/66** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 9/02** (2006.01); **C11D 10/04** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01); **C11D 1/12** (2006.01); **C11D 1/14** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP KR US)

C11D 3/3947 (2013.01 - EP US); **C11D 10/04** (2013.01 - EP US); **C11D 11/0094** (2013.01 - EP US); **C11D 17/00** (2013.01 - KR); **C11D 17/0004** (2013.01 - EP US); **C11D 1/02** (2013.01 - EP US); **C11D 1/12** (2013.01 - EP US); **C11D 1/14** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI NL SE

DOCDB simple family (publication)

WO 9323521 A1 19931125; AT E134384 T1 19960315; CA 2136173 A1 19931125; DE 4216453 A1 19931125; DE 59301689 D1 19960328; DK 0641381 T3 19960624; DK 0641381 T4 20000103; EP 0641381 A1 19950308; EP 0641381 B1 19960221; EP 0641381 B2 19990929; ES 2083285 T3 19960401; ES 2083285 T5 19991116; FI 945417 A0 19941117; FI 945417 A 19941117; GR 3019219 T3 19960630; GR 3031777 T3 20000229; JP H07506607 A 19950720; KR 950701679 A 19950428; NO 306560 B1 19991122; NO 943320 D0 19940908; NO 943320 L 19940908; US 5518645 A 19960521

DOCDB simple family (application)

EP 9301146 W 19930511; AT 93909938 T 19930511; CA 2136173 A 19930511; DE 4216453 A 19920519; DE 59301689 T 19930511; DK 93909938 T 19930511; EP 93909938 A 19930511; ES 93909938 T 19930511; FI 945417 A 19941117; GR 960400626 T 19960305; GR 990402868 T 19991108; JP 51985693 A 19930511; KR 19940704096 A 19941116; NO 943320 A 19940908; US 33856594 A 19941207