

Title (en)
PROCESS FOR MAKING A HIGH DENSITY DETERGENT COMPOSITION FROM A SURFACTANT PASTE CONTAINING A NON-AQUEOUS BINDER

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES KOMPAKTWASCHMITTELS AUS EINER TENSIDPASTE MIT WASSERFREIERN BINDER

Title (fr)
PROCEDE DE FABRICATION D'UNE COMPOSITION DETERGENTE HAUTE DENSITE A PARTIR D'UNE PATE DE TENSIOACTIF CONTENANT UN LIANT NON AQUEUX

Publication
EP 0876473 A1 19981111 (EN)

Application
EP 96932960 A 19960906

Priority
• US 9614279 W 19960906
• US 52828395 A 19950914

Abstract (en)
[origin: WO9710326A1] A process for preparing high density detergent agglomerates having a density of a least 650 g/l is provided. The process comprises the steps of: (a) continuously mixing a detergent surfactant paste and dry starting detergent material into a high speed mixer/densifier to obtain detergent agglomerates, wherein said surfactant paste includes, by weight of said surfactant paste, from about 0,1 % to about 50 % of a non-aqueous binder, from about 70 % to about 95 % of a deterative surfactant, and the balance water; (b) mixing the detergent agglomerates in a moderate speed mixer/densifier to further densify and agglomerate the detergent agglomerates; and (c) drying said detergent agglomerates so as to form the high density detergent composition. The process may include one or more additional processing steps such as adding a coating agent after the moderate speed mixer/densifier to facilitate and control agglomeration.

IPC 1-7
C11D 17/06; C11D 11/00

IPC 8 full level
C11D 3/08 (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 3/20** (2006.01); **C11D 3/37** (2006.01); **C11D 11/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)
C11D 3/10 (2013.01); **C11D 3/1233** (2013.01); **C11D 3/1273** (2013.01); **C11D 3/128** (2013.01); **C11D 3/3707** (2013.01); **C11D 11/0082** (2013.01); **C11D 17/065** (2013.01)

Citation (search report)
See references of WO 9710326A1

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

DOCDB simple family (publication)
WO 9710326 A1 19970320; AR 003570 A1 19980805; AT E331780 T1 20060715; BR 9610548 A 19990706; CA 2232071 A1 19970320; CA 2232071 C 20011030; CN 1126811 C 20031105; CN 1202198 A 19981216; DE 69636309 D1 20060810; DE 69636309 T2 20070531; EP 0876473 A1 19981111; EP 0876473 B1 20060628; ES 2263162 T3 20061201; JP H11512473 A 19991026; MX 9802022 A 19980830

DOCDB simple family (application)
US 9614279 W 19960906; AR 10433596 A 19960913; AT 96932960 T 19960906; BR 9610548 A 19960906; CA 2232071 A 19960906; CN 96198235 A 19960906; DE 69636309 T 19960906; EP 96932960 A 19960906; ES 96932960 T 19960906; JP 51200197 A 19960906; MX 9802022 A 19980313