

Title (en)  
PROCESS FOR MAKING A LOW DENSITY DETERGENT COMPOSITION BY CONTROLLING NOZZLE HEIGHT IN A FLUID BED DRYER

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON WASCHMITTELN MIT NIEDRIGER SCHÜTTDICHTHE DURCH KONTROLLE DER DÜSENHÖHE IM FLIESSBETT

Title (fr)  
PROCEDE DE PRODUCTION D'UNE COMPOSITION DETERGENTE DE FAIBLE DENSITE PAR COMMANDE DE LA HAUTEUR DE LA BUSE D'UN SECHOIR A LIT FLUIDE

Publication  
**EP 1005522 A1 20000607 (EN)**

Application  
**EP 98935559 A 19980708**

Priority  
• US 9814100 W 19980708  
• US 5247297 P 19970714

Abstract (en)  
[origin: WO9903966A1] A process for preparing low density detergent agglomerates having a density in a range from about 300 g/l to about 550 g/l is provided. The process involves the steps of: (a) agglomerating a detergent surfactant paste or precursor thereof and dry starting detergent material in a first high speed mixer to obtain agglomerates; (b) mixing the agglomerates in a second high speed mixer to obtain built-up agglomerates; and (c) feeding the built-up agglomerates into a fluid bed dryer in which a binder is sprayed via a nozzle having a height of from about 25 cm to about 60 cm from the distributor plate of the fluid bed dryer such that the built-up agglomerate are dried and agglomerated to form the desired low detergent agglomerates.

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

IPC 8 full level  
**C11D 11/00** (2006.01); **C11D 11/02** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)  
**C11D 11/0082** (2013.01); **C11D 11/0088** (2013.01); **C11D 17/06** (2013.01)

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 9903966 A1 19990128**; AR 016330 A1 20010704; AT E278765 T1 20041015; BR 9810716 A 20000808; CA 2295941 A1 19990128; CA 2295941 C 20030422; CN 1170918 C 20041013; CN 1269824 A 20001011; DE 69826871 D1 20041111; DE 69826871 T2 20060309; EP 1005522 A1 20000607; EP 1005522 B1 20041006; ES 2230707 T3 20050501; JP 2003521548 A 20030715

DOCDB simple family (application)  
**US 9814100 W 19980708**; AR P980103395 A 19980713; AT 98935559 T 19980708; BR 9810716 A 19980708; CA 2295941 A 19980708; CN 98808951 A 19980708; DE 69826871 T 19980708; EP 98935559 A 19980708; ES 98935559 T 19980708; JP 2000503174 A 19980708