

Title (en)  
PROCESSES FOR MAKING GRANULAR DETERGENT IN A FLUIDIZED BED GRANULATOR HAVING RECYCLING OF IMPROPERLY SIZED PARTICLES

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON REINIGUNGSMITTELGRANULATEN IN EINEM WIRBELSCHICHTGRANULATOR MIT RÜCKFÜHRUNG VON UNPROPORTIONIERTEN TEILCHEN

Title (fr)  
PROCEDE DE FABRICATION DE DETERGENT GRANULAIRE DANS UN GRANULATEUR A LIT FLUIDISE DOTE D'UN RECYCLAGE POUR PARTICULES DE TAILLES IRRÉGULIÈRES

Publication  
**EP 1187901 B1 20060802 (EN)**

Application  
**EP 00942965 A 20000620**

Priority  
• US 0016914 W 20000620  
• US 14007999 P 19990621

Abstract (en)  
[origin: WO0078907A1] A process for the production of granular detergent compositions is provided wherein fluid bed granulation is employed in conjunction with selected recycle of oversized particles to control the uniformity of the resulting detergent composition. The process comprises feeding starting ingredients into a fluid bed granulator to at least partially granulate the feed material while employing the fluid bed to control undersized particle generation and sizing in conjunction with recycle to control oversized particles.

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

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

Cited by  
US4556665A; EP2067710A1

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

DOCDB simple family (publication)  
**WO 0078907 A1 20001228**; AT E335069 T1 20060815; AU 5750900 A 20010109; BR 0011840 A 20020305; BR 0011840 B1 20120612; CA 2375406 A1 20001228; CA 2375406 C 20051018; CN 1183240 C 20050105; CN 1357034 A 20020703; DE 60029785 D1 20060914; DE 60029785 T2 20070802; EP 1187901 A1 20020320; EP 1187901 B1 20060802; ES 2269155 T3 20070401; JP 2003503544 A 20030128; MX PA02000027 A 20020702

DOCDB simple family (application)  
**US 0016914 W 20000620**; AT 00942965 T 20000620; AU 5750900 A 20000620; BR 0011840 A 20000620; CA 2375406 A 20000620; CN 00809339 A 20000620; DE 60029785 T 20000620; EP 00942965 A 20000620; ES 00942965 T 20000620; JP 2001505652 A 20000620; MX PA02000027 A 20000620