

Title (en)  
PRODUCTION OF DETERGENT GRANULATES

Title (de)  
HERSTELLUNG VON WASCHMITTELGRANULATEN

Title (fr)  
PRODUCTION DE GRANULES DETERGENTS

Publication  
**EP 0993504 A1 20000419 (EN)**

Application  
**EP 98933629 A 19980612**

Priority  
• EP 9803669 W 19980612  
• GB 9712587 A 19970616

Abstract (en)  
[origin: WO9858048A1] A process of forming granular detergent products, the process comprising, in a gas fluidisation granulator, contacting a fluidised particulate solid material with a spray of liquid binder, whilst fluidising the solids in the granulator with at least one gas stream, wherein the gas temperature is controlled so as to be increased and/or reduced during at least one stage of the process.

IPC 1-7  
**C11D 11/00**; **C11D 17/06**; **C11D 11/04**

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

CPC (source: EP)  
**C11D 11/0088** (2013.01)

Designated contracting state (EPC)  
BE DE ES FR GB IT

DOCDB simple family (publication)  
**WO 9858048 A1 19981223**; AR 013093 A1 20001213; AU 725182 B2 20001005; AU 8338298 A 19990104; BR 9810165 A 20000808; CA 2294287 A1 19981223; CN 1170917 C 20041013; CN 1267329 A 20000920; DE 69804457 D1 20020502; DE 69804457 T2 20021017; EA 002160 B1 20011224; EA 200000024 A1 20000626; EP 0993504 A1 20000419; EP 0993504 B1 20020327; ES 2174457 T3 20021101; GB 9712587 D0 19970820; HU P0003031 A2 20010129; HU P0003031 A3 20030228; ID 24618 A 20000727; IN 189876 B 20030503; PL 186896 B1 20040331; PL 337431 A1 20000814; TR 199903104 T2 20000321; TW 432108 B 20010501; ZA 985194 B 19991217

DOCDB simple family (application)  
**EP 9803669 W 19980612**; AR P980102845 A 19980616; AU 8338298 A 19980612; BR 9810165 A 19980612; CA 2294287 A 19980612; CN 98808191 A 19980612; DE 69804457 T 19980612; EA 200000024 A 19980612; EP 98933629 A 19980612; ES 98933629 T 19980612; GB 9712587 A 19970616; HU P0003031 A 19980612; ID 991607 A 19980612; IN 376BO1998 A 19980616; PL 33743198 A 19980612; TR 9903104 T 19980612; TW 87117202 A 19981015; ZA 985194 A 19980615