

Title (en)  
PROCESS FOR PREPARING GRANULAR DETERGENT COMPOSITIONS

Title (de)  
VERFAHREN ZUR HERSTELLUNG GRANULARER WASCHMITTELZUSAMMENSETZUNGEN

Title (fr)  
PROCEDE RELATIF A L'ELABORATION DE COMPOSITIONS DETERGENTES GRANULEUSES

Publication  
**EP 1185607 B2 20090318 (EN)**

Application  
**EP 00931444 A 20000526**

Priority  
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• GB 9913544 A 19990610

Abstract (en)  
[origin: WO0077147A1] A process for the preparation of medium to low bulk density granular detergent compositions in which a liquid binder is contacted with a solid starting material in a high-speed mixer and the resulting mixture treated in a medium- or low-speed mixer and finally in a gas fluidisation granulator, where more liquid binder is added.

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

CPC (source: EP)  
**C11D 11/0082** (2013.01); **C11D 17/065** (2013.01)

Citation (opposition)  
Opponent :  
• US 9814557 A1  
• US 9858046 A1  
• US 9903964 A1

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**WO 0077147 A1 20001221**; AR 025174 A1 20021113; AT E305960 T1 20051015; AU 4939600 A 20010102; AU 768795 B2 20040108; BR 0011473 A 20020416; BR 0011473 B1 20100406; CA 2376230 A1 20001221; CN 1206335 C 20050615; CN 1367820 A 20020904; DE 60023000 D1 20060216; DE 60023000 T2 20060622; DE 60023000 T3 20090723; EA 003404 B1 20030424; EA 200200023 A1 20020627; EP 1185607 A1 20020313; EP 1185607 B1 20051005; EP 1185607 B2 20090318; ES 2248077 T3 20060316; GB 9913544 D0 19990811; HU P0201554 A2 20020828; HU P0201554 A3 20030128; MX PA01012731 A 20020702; MY 133364 A 20071130; PL 191480 B1 20060531; PL 352780 A1 20030908; TR 200103583 T2 20020521; ZA 200110139 B 20021210

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**GB 0002044 W 20000526**; AR P000102874 A 20000612; AT 00931444 T 20000526; AU 4939600 A 20000526; BR 0011473 A 20000526; CA 2376230 A 20000526; CN 00811152 A 20000526; DE 60023000 T 20000526; EA 200200023 A 20000526; EP 00931444 A 20000526; ES 00931444 T 20000526; GB 9913544 A 19990610; HU P0201554 A 20000526; MX PA01012731 A 20000526; MY PI20002576 A 20000608; PL 35278000 A 20000526; TR 200103583 T 20000526; ZA 200110139 A 20011210