

Title (en)  
HIGH FOAMING GRANULAR SPRAY-DRIED WASHING AGENT WITH ENHANCED GRANULATE STABILITY AND PROCESS FOR ITS FABRICATION

Publication  
**EP 0084657 B1 19860219 (DE)**

Application  
**EP 82111827 A 19821220**

Priority  
DE 3151536 A 19811228

Abstract (en)  
[origin: US4524010A] A spray-dried, high-sudsing detergent granulate is disclosed having a bulk density of not more than 450 gm/l and a high content of anionic tensides, which is characterized by a granule structure resistant to mechanical and climatic influences. The detergent granulate contains a tenside component of alkylbenzene sulfonates and, possibly, fatty alcohol sulfates, a builder component of sodium tripolyphosphate, finely crystalline sodium aluminosilicate (zeolite NaA) and sodium silicate. For the preparation, an aqueous slurry is sprayed in spray-drying equipment. The obtained spray-dried product has a porous granule structure with a mean granule size of 0.4 to 0.8 mm. The bulk density is preferably in the range from 250 to 400 gm/l.

IPC 1-7  
**C11D 3/08**

IPC 8 full level  
**C11D 3/08** (2006.01); **C11D 3/12** (2006.01); **C11D 11/02** (2006.01)

CPC (source: EP US)  
**C11D 3/0094** (2013.01 - EP US); **C11D 3/08** (2013.01 - EP US); **C11D 3/128** (2013.01 - EP US); **C11D 11/02** (2013.01 - EP US)

Cited by  
AU724105B2; EP0220024A3; EP0290209A1; EP0219314A3; WO9732005A1; WO9302168A1

Designated contracting state (EPC)  
AT BE CH DE FR IT LI NL

DOCDB simple family (publication)  
**EP 0084657 A1 19830803**; **EP 0084657 B1 19860219**; AT E18070 T1 19860315; DE 3151536 A1 19830707; DE 3269269 D1 19860327; US 4524010 A 19850618

DOCDB simple family (application)  
**EP 82111827 A 19821220**; AT 82111827 T 19821220; DE 3151536 A 19811228; DE 3269269 T 19821220; US 44209482 A 19821116