Title (en)

PROCESS FOR THE PRODUCTION OF A GRANULAR FREE-FLOWING WASHING COMPOUND

Publication

EP 0179264 B1 19881026 (DE)

Application

EP 85111651 A 19850914

Priority

DE 3434854 A 19840922

Abstract (en)

[origin: ES8609454A1] A process for the production of a granular, free-flowing detergent composition which is rapidly soluble in water, and the product thereof which has a bulk density of at least 600 g/l and a particle size of 0.1-2 mm, wherein an aqueous slurry of the composition ingredients is continuously homogenized to yield a viscosity of 4,000 to 20,000 mPa.s and heated to a temperature of 85 DEG -105 DEG C. The homogenized heated slurry is then sprayed in a drying tower through nozzles having a bore diameter of 2.5-5 mm under a pressure of 20-45 bar. The slurry and resulting product contain 10-28% alkoxylated nonionic surfactant, 40-80% inorganic carrier and 0.5-10% organic washing auxiliary.

IPC 1-7

C11D 11/02

IPC 8 full level

C11D 11/02 (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP US)

C11D 11/02 (2013.01 - EP US); **C11D 17/065** (2013.01 - EP US)

Cited by

US5767057A; EP0571193A1; EP0513824A3; US5468516A; US6294179B1; WO2006048142A2; US8518001B2; WO9507339A1; WO2006048142A3

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