

Title (en)

Process for making granules containing cationic surfactant

Title (de)

Verfahren zur Herstellung kationensidhaltiger Granulate

Title (fr)

Procédé de préparation de granules contenant un tensioactif cationique

Publication

**EP 0881279 A3 19990616 (DE)**

Application

**EP 98108983 A 19980518**

Priority

DE 19721885 A 19970526

Abstract (en)

[origin: EP0881279A2] A solid granulate is claimed which contains (A) 50-40 wt.% cationic, textile-softening agent of formula (I), (II) and/or (III), where  $R_{<1>}$  = 1-6C alkyl, alkenyl or hydroxyalkyl;  $R_{<2>}$  = 8-28C alkyl or alkenyl;  $R_{<3>}$  = as for  $R_{<1>}$  or  $-(CH_2)_n-T-R_{<2>}$ ;  $R_{<4>}$  = as for  $R_{<1>}$  or  $R_{<2>}$ , or  $-(CH_2)_n-T-R_{<2>}$ ;  $T = -CH_2-$ ,  $-O-CO-$  or  $-CO-O-$ ; and  $n = 0-5$ ; (B) 50-90 wt.% solid carrier comprising an alkali metal-sulphate, -carbonate, -silicate, -citrate or -aluminium silicate or citric acid; and (C) 0-5 wt.% granulating auxiliaries. Also claimed is production of the granulate by low energy impacting of a solid carrier with a cationic surfactant in a mixer, followed by high energy granulation in the presence of water or an aqueous solution of a granulating auxiliary.

IPC 1-7

**C11D 1/62**

IPC 8 full level

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CPC (source: EP)

**C11D 1/62** (2013.01); **C11D 17/0034** (2013.01); **C11D 17/06** (2013.01)

Citation (search report)

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