Title (en)

HIGH BULK DENSITY GRANULATED WASHING OR CLEANING PRODUCT

GRANULARES WASCH- ODER REINIGUNGSMITTEL MIT HOHER SCHÜTTDICHTE

Title (fr)

PRODUIT GRANULE DE LAVAGE OU DE NETTOYAGE A MASSE VOLUMIQUE APPARENTE ELEVEE

Publication

EP 0840780 A1 19980513 (DE)

Application

EP 96922901 A 19960703

Priority

- DE 19524722 A 19950712
- EP 9602905 W 19960703

Abstract (en)

[origin: WO9703181A1] A high bulk density, granulated washing or cleaning product contains extruded components and at least 15 % by weight anionic and/or non-ionic surfactants. The disclosed product contains at least two different granulated components of which at least one is extruded and at least one is not extruded. The amount of extruded component(s) contained in the product equals 30 to 85 % by weight, in relation to the total product, and the amount of the at least one non-extruded granulated and surfactant-containing component is such that the amount of surfactants contributed to the product by said component equals at least 1 % by weight, in relation to the total product. The extruded component(s) should have as high a bulk density as possible and very stable grains, so that the bulk density of the washing or cleaning product be also as high as possible. For that purpose, an extruded component contains 0 to 35 % by weight surfactants, is free from destructuring agents and non-surfactant organic plasticisers, and has at least 760 g/l bulk density.

IPC 1-7

C11D 17/06

IPC 8 full level

C11D 17/06 (2006.01)

CPC (source: EP)

C11D 17/065 (2013.01)

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

DOCDB simple family (publication)

WO 9703181 A1 19970130; AT E197606 T1 20001215; DE 19524722 A1 19970116; DE 59606146 D1 20001221; EP 0840780 A1 19980513; EP 0840780 B1 20001115; ES 2153114 T3 20010216

DOCDB simple family (application)

EP 9602905 W 19960703; AT 96922901 T 19960703; DE 19524722 A 19950712; DE 59606146 T 19960703; EP 96922901 A 19960703; ES 96922901 T 19960703