

Title (en)
PROCESS FOR MANUFACTURING TENSIDE-CONTAINING GRANULATES.

Title (de)
VERFAHREN ZUR HERSTELLUNG VON OBERFLÄCHENAKTIVE MITTEL ENTHALTENDEN GRANULATEN.

Title (fr)
PROCEDE POUR FABRIQUER DES GRANULES TENSIO-ACTIFS.

Publication
EP 0536110 B1 19950125 (DE)

Application
EP 89911804 A 19891012

Priority
• DE 3835918 A 19881021
• EP 8901206 W 19891012

Abstract (en)
[origin: EP0364881A2] A process for manufacturing pourable granulates with an apparent density of 650 to 1000 g/l containing non-ionic tensides from the class of polyglycol ether derivatives as well as fine-particle, water-soluble and/or water-insoluble solids and water comprises a first mixing step (A) in which the non-ionic tenside is mixed with water, which may contain a fraction less than 50 wt.% of the total amount of water-soluble or water-insoluble solids in dissolved or dispersed form, to form a viscous gel phase. In a second mixing step (B), the remaining larger fraction of the water-soluble or water-insoluble solids is added in solid powder form and the mixture is processed until granulates are formed and a maximum apparent density is reached. The weight ratio of non-ionic tenside and water in the gel phase to the total solids present referred to the anhydrous substance lies between 25:75 and 65:35. Zeolites and bentonites are particularly suitable as water-insoluble solids.

IPC 1-7
C11D 1/72; **C11D 17/00**

IPC 8 full level
C09K 23/00 (2022.01); **C11D 1/72** (2006.01); **C11D 3/12** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP KR US)
C11D 1/72 (2013.01 - EP KR US); **C11D 3/126** (2013.01 - EP US); **C11D 3/128** (2013.01 - EP US); **C11D 17/06** (2013.01 - EP US);
C11D 17/065 (2013.01 - EP US)

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

DOCDB simple family (publication)
EP 0364881 A2 19900425; **EP 0364881 A3 19900606**; AT E117718 T1 19950215; DE 3835918 A1 19900426; DE 58908952 D1 19950309; DK 71791 A 19910419; DK 71791 D0 19910419; EP 0536110 A1 19930414; EP 0536110 B1 19950125; ES 2067569 T3 19950401; JP 2704020 B2 19980126; JP H04501129 A 19920227; KR 900701988 A 19901205; KR 970001224 B1 19970204; PT 92060 A 19900430; TR 24142 A 19910409; US 5354493 A 19941011; WO 9004629 A2 19900503; WO 9004629 A3 19910530

DOCDB simple family (application)
EP 89118962 A 19891012; AT 89911804 T 19891012; DE 3835918 A 19881021; DE 58908952 T 19891012; DK 71791 A 19910419; EP 8901206 W 19891012; EP 89911804 A 19891012; ES 89911804 T 19891012; JP 51098789 A 19891012; KR 900701333 A 19900621; PT 9206089 A 19891020; TR 82089 A 19891004; US 67835891 A 19910621