

Title (en)

PROCESS FOR PRODUCING HIGH-DENSITY ZEOLITE-CONTAINING GRANULES.

Title (de)

VERFAHREN ZUR HERSTELLUNG ZEOLITHHALTIGER GRANULATE HOHER DICHT.

Title (fr)

PROCEDE DE FABRICATION DE GRANULES DE HAUTE DENSITE CONTENANT DE LA ZEOLITHE.

Publication

**EP 0442923 A1 19910828 (DE)**

Application

**EP 89912426 A 19891102**

Priority

DE 3838086 A 19881110

Abstract (en)

[origin: EP0368137A1] In a process for producing granules with high apparent density, containing fine crystalline zeolite and salts of (co)polymeric carboxylic acids, in particular acrylic acid-maleic acid copolymers, a dried preliminary mixture of the zeolite and polycarboxylate is prepared, converted to granules with simultaneous addition of water, and dried. The granules contain 60 to 80 wt.% of zeolite (calculated on the anhydrous basis), 2 to 15 wt.% of polycarboxylate and 14 to 25 wt.% of water, including the water bound to the zeolite.

Abstract (fr)

On obtient des granulés de haute densité apparente, qui contiennent de la zéolithe en fins cristaux et des sels d'acides carboxyliques (co)polymères, en particulier des copolymères d'acide maléique-acide acrylique, de la manière suivante: on fabrique tout d'abord un premier mélange sec de zéolithe et de polycarboxylate que l'on transforme ensuite en granulés, en ajoutant de l'eau, avant de le sécher. Lesdits granulés contiennent entre 60 et 80 % en poids de zéolithe (% de la matière sans eau), entre 2 et 15 % en poids de polycarboxylate et entre 14 et 25 % en poids d'eau, y compris l'eau fixée à de la zéolithe.

IPC 1-7

**B01J 20/18; C11D 3/12; C11D 3/37**

IPC 8 full level

**B01J 20/18** (2006.01); **C01B 39/14** (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 11/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP KR)

**C11D 3/00** (2013.01 - KR); **C11D 3/128** (2013.01 - EP); **C11D 3/3761** (2013.01 - EP); **C11D 17/065** (2013.01 - EP)

Citation (search report)

See references of WO 9005175A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0368137 A1 19900516; EP 0368137 B1 19940105**; DE 3838086 A1 19900517; DE 58906639 D1 19940217; DK 86891 A 19910708; DK 86891 D0 19910508; EP 0442923 A1 19910828; ES 2047091 T3 19940216; JP H04501730 A 19920326; KR 900701992 A 19901205; PT 92223 A 19900531; PT 92223 B 19950706; TR 24018 A 19910201; WO 9005175 A1 19900517

DOCDB simple family (application)

**EP 89120266 A 19891102**; DE 3838086 A 19881110; DE 58906639 T 19891102; DK 86891 A 19910508; EP 8901312 W 19891102; EP 89912426 A 19891102; ES 89120266 T 19891102; JP 51151089 A 19891102; KR 900701431 A 19900705; PT 9222389 A 19891107; TR 95489 A 19891110