

Title (en)

Method for the preparation of high-density zeolite granules.

Title (de)

Verfahren zur Herstellung zeolithhaltiger Granulate hoher Dichte.

Title (fr)

Méthode de préparation de granules en zéolite de haute densité.

Publication

EP 0368137 B1 19940105 (DE)

Application

EP 89120266 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.

IPC 1-7

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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)

Cited by

EP0639638A1; GB2341866B; EP3241889A1; US5616550A; US5108646A; US6841614B1; US10465150B2; US7834243B2; WO9310210A1; WO2017192659A1; WO0025906A1; WO0016816A1; WO9217565A1; WO9405764A1; WO9210559A1; WO9323523A1

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