

Title (en)

PROCESS FOR THE PRODUCTION OF GRANULAR ZEOLITES.

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ZEOLITH-GRANULATEN.

Title (fr)

PROCEDE DE PREPARATION DE GRANULES DE ZEOLITHE.

Publication

**EP 0605436 B1 19950503 (DE)**

Application

**EP 92916048 A 19920722**

Priority

- DE 4125330 A 19910731
- EP 9201672 W 19920722

Abstract (en)

[origin: DE4125330A1] The aim of the invention is to provide a process for the production of dense granular zeolites, the amount of granulation liquid used representing less than the critical amount already known in the art, thus enabling (co)polymeric carboxylates to be used as the dissolved constituent of the granulation liquid. In the process proposed, granular materials consisting of a zeolite and sodium or potassium salts of polymeric or copolymeric carboxylic acids, with a bulk density of 750 to 1000 g/l, are produced by granulation with the addition of a granulation liquid, part of the zeolite being added in spray-dried form and at least 90 % of the zeolite particles having a diameter of between 50 and 700  $\mu\text{m}$ , and the granulation liquid containing a mixture of water, zeolite and (co)polymeric carboxylates.

IPC 1-7

**B01J 2/28**; **B01J 20/18**; **C11D 3/12**

IPC 8 full level

**B01J 2/28** (2006.01); **B01J 20/18** (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)

**C11D 3/128** (2013.01); **C11D 3/3761** (2013.01)

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

**DE 4125330 A1 19930204**; DE 59202099 D1 19950608; EP 0605436 A1 19940713; EP 0605436 B1 19950503; ES 2071511 T3 19950616; WO 9302786 A1 19930218

DOCDB simple family (application)

**DE 4125330 A 19910731**; DE 59202099 T 19920722; EP 9201672 W 19920722; EP 92916048 A 19920722; ES 92916048 T 19920722