

Title (en)

MECHANOCHEMICAL PRODUCTION OF ZEOLITES

Title (de)

MECHANOCHEMISCHE HERSTELLUNG VON ZEOLITHEN

Title (fr)

PROCÉDÉ MÉCANOCHIMIQUE DE PRODUCTION DE ZÉOLITHES

Publication

EP 2646367 A2 20131009 (DE)

Application

EP 11788450 A 20111128

Priority

- DE 102010053054 A 20101201
- EP 2011071099 W 20111128

Abstract (en)

[origin: WO2012072527A2] The invention relates to a process for the synthesis of zeolites, which comprises the following steps: a) provision of a silicon source; b) provision of an aluminium source; c) optionally provision of at least one template; d) mixing of the silicon source, the aluminium source and the optional template to produce a synthesis gel; e) milling of the synthesis gel; f) treatment of the milled synthesis gel under hydrothermal conditions to produce crystalline zeolite, and also zeolites which can be obtained by this process. The products obtained by the process can be used as catalysts or catalyst supports.

IPC 8 full level

C01B 39/28 (2006.01)

CPC (source: EP US)

B01J 29/40 (2013.01 - EP US); **B01J 29/7007** (2013.01 - EP US); **B01J 37/10** (2013.01 - EP US); **C01B 39/02** (2013.01 - EP US); **C01B 39/04** (2013.01 - EP US); **C01B 39/40** (2013.01 - EP US); **C01B 39/48** (2013.01 - EP US)

Citation (search report)

See references of WO 2012072527A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102010053054 A1 20120606; CN 103269978 A 20130828; EP 2646367 A2 20131009; JP 2014501683 A 20140123; US 2013266507 A1 20131010; WO 2012072527 A2 20120607; WO 2012072527 A3 20121011; ZA 201303567 B 20140730

DOCDB simple family (application)

DE 102010053054 A 20101201; CN 201180057393 A 20111128; EP 11788450 A 20111128; EP 2011071099 W 20111128; JP 2013541310 A 20111128; US 201113988598 A 20111128; ZA 201303567 A 20130516