

Title (en)

METHOD FOR PREPARING A ZEOLITE MATERIAL WITH A HIGH KL ZEOLITE CONTENT AND A HIGH MECHANICAL STRENGTH

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ZEOLITHMATERIALS MIT HOHEM KL-ZEOLITHGEGHALT UND HOHER MECHANISCHER FESTIGKEIT

Title (fr)

PROCEDE DE PREPARATION D'UN MATERIAU ZEOLITHIQUE A HAUTE TENEUR EN ZEOLITHE KL ET DE HAUTE RESISTANCE MECANIQUE

Publication

**EP 4377001 A1 20240605 (FR)**

Application

**EP 22747002 A 20220707**

Priority

- FR 2108266 A 20210729
- EP 2022068999 W 20220707

Abstract (en)

[origin: WO2023006380A1] The present invention relates to a method for preparing a microporous material shaped in the form of extruded products, tablets or pellets having a high mechanical strength to prevent crushing and containing at least 90% by weight of KL zeolite (LTL structural type). Said method comprises a step for shaping a KL zeolite with at least one zeolitisable binder and at least one zeolithisation step, in the presence of potassium hydroxide in one and/or the other of the steps in order to obtain a material shaped in the form of extruded products, tablets or pellets containing at least 90% by weight of KL zeolite and having a high mechanical strength to prevent crushing.

IPC 8 full level

**B01J 20/28** (2006.01); **B01J 20/18** (2006.01); **B01J 20/30** (2006.01); **B01J 29/60** (2006.01); **C01B 39/02** (2006.01); **C01B 39/32** (2006.01)

CPC (source: EP)

**B01J 20/18** (2013.01); **B01J 20/28011** (2013.01); **B01J 20/3007** (2013.01); **B01J 20/3028** (2013.01); **B01J 20/3042** (2013.01); **C01B 39/026** (2013.01); **C01B 39/32** (2013.01); **B01J 29/60** (2013.01)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**FR 3125727 A1 20230203**; CN 117677436 A 20240308; EP 4377001 A1 20240605; WO 2023006380 A1 20230202

DOCDB simple family (application)

**FR 2108266 A 20210729**; CN 202280051356 A 20220707; EP 2022068999 W 20220707; EP 22747002 A 20220707