

Title (en)

MULTI-REACTOR SYNTHESIS OF CRYSTALS OF ZEOLITE WITH CONTROLLED PARTICLE SIZE

Title (de)

MULTIREAKTORSYNTHESE VON KRISTALLEN VON ZEOLITH MIT KONTROLLIERTER PARTIKELGRÖSSE

Title (fr)

PROCÉDÉ DE SYNTHÈSE MULTI-RÉACTEUR DE CRISTAUX DE ZÉOLITHE À GRANULOMÉTRIE CONTRÔLÉE

Publication

**EP 3596012 A1 20200122 (FR)**

Application

**EP 18713330 A 20180312**

Priority

- FR 1752199 A 20170317
- FR 2018050571 W 20180312

Abstract (en)

[origin: WO2018167417A1] The present invention concerns a method for preparing zeolite crystals having a multi-modal particle size distribution, and for which the sizes are between 0.02 µm and 20 µm, said method comprising supplying each of at least two reactors with a synthesis gel suitable for forming zeolite crystals, the conducting of a crystallisation reaction, in parallel in each of the at least two reactors, and mixing the reaction media of at least two reactors after starting at least one of the crystallisation reactions.

IPC 8 full level

**C01B 39/02** (2006.01)

CPC (source: EA EP KR US)

**B01J 19/1812** (2013.01 - EA KR US); **C01B 39/02** (2013.01 - EA EP KR US); **C01B 39/20** (2013.01 - KR); **C01B 39/26** (2013.01 - KR); **C01B 39/36** (2013.01 - KR); **C01B 39/46** (2013.01 - KR); **B01J 2219/00029** (2013.01 - EA US); **B01J 2219/00033** (2013.01 - EA US); **B01J 2219/00306** (2013.01 - KR); **B01J 2219/0059** (2013.01 - KR); **C01P 2004/51** (2013.01 - EA US); **C01P 2004/62** (2013.01 - EA US); **C01P 2004/64** (2013.01 - EA US)

Citation (search report)

See references of WO 2018167417A1

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

DOCDB simple family (publication)

**WO 2018167417 A1 20180920**; CN 110446684 A 20191112; CN 110446684 B 20230404; EA 037046 B1 20210129; EA 201992198 A1 20200207; EP 3596012 A1 20200122; FR 3063995 A1 20180921; JP 2020509987 A 20200402; JP 6961010 B2 20211105; KR 102291888 B1 20210819; KR 20190118200 A 20191017; MX 2019010517 A 20191017; TW 201838919 A 20181101; TW I676598 B 20191111; US 11377361 B2 20220705; US 2020048102 A1 20200213; ZA 201905758 B 20210224

DOCDB simple family (application)

**FR 2018050571 W 20180312**; CN 201880018830 A 20180312; EA 201992198 A 20180312; EP 18713330 A 20180312; FR 1752199 A 20170317; JP 2019550846 A 20180312; KR 20197028496 A 20180312; MX 2019010517 A 20180312; TW 107109129 A 20180316; US 201816494613 A 20180312; ZA 201905758 A 20190830