

Title (en)
CATALYST MEDIUM COMPRISING HOLLOW MICROSPHERES

Title (de)
KATALYSATORMEDIUM MIT MIKROHOHLKUGELN

Title (fr)
SUPPORT CATALYTIQUE COMPRENANT DES MICROSPHÈRES CREUSES

Publication
EP 4076743 A1 20221026 (FR)

Application
EP 20819772 A 20201209

Priority

- FR 1915084 A 20191220
- EP 2020085222 W 20201209

Abstract (en)
[origin: WO2021122201A1] The present invention relates to a calcined medium, in particular a catalyst or a catalyst medium or an adsorbent/absorbent mass, in particular in the form of extrudates, pellets, granules or beads, the medium comprising a porous matrix comprising carbonates, clays, zeolites, oxides, or metal and/or silicon hydroxides, and the matrix incorporating hollow mineral microspheres having a different composition in a content of between 0.3 and 50% by weight, in particular between 0.5 and 15% by weight, of the matrix.

IPC 8 full level
B01J 35/04 (2006.01); **B01D 53/56** (2006.01); **B01J 20/02** (2006.01); **B01J 20/06** (2006.01); **B01J 20/28** (2006.01); **B01J 23/14** (2006.01); **B01J 23/28** (2006.01); **B01J 23/40** (2006.01); **B01J 23/74** (2006.01); **B01J 23/88** (2006.01); **B01J 35/00** (2006.01); **B01J 35/02** (2006.01); **B01J 37/00** (2006.01); **B01J 37/02** (2006.01); **B01J 37/08** (2006.01); **C04B 14/02** (2006.01); **C04B 20/00** (2006.01); **C04B 38/00** (2006.01); **C07C 5/22** (2006.01); **C07C 5/32** (2006.01); **C10G 45/00** (2006.01)

CPC (source: EP US)
B01J 20/0277 (2013.01 - EP); **B01J 20/06** (2013.01 - EP); **B01J 20/10** (2013.01 - EP); **B01J 20/12** (2013.01 - EP); **B01J 20/165** (2013.01 - EP); **B01J 20/28019** (2013.01 - EP); **B01J 20/28026** (2013.01 - EP); **B01J 20/3007** (2013.01 - EP); **B01J 20/3064** (2013.01 - EP); **B01J 20/3078** (2013.01 - EP); **B01J 20/3085** (2013.01 - EP); **B01J 21/063** (2013.01 - US); **B01J 21/12** (2013.01 - US); **B01J 23/14** (2013.01 - EP); **B01J 23/28** (2013.01 - EP); **B01J 23/40** (2013.01 - EP); **B01J 23/74** (2013.01 - EP); **B01J 23/88** (2013.01 - EP); **B01J 35/31** (2024.01 - EP); **B01J 35/50** (2024.01 - EP); **B01J 35/51** (2024.01 - US); **B01J 35/56** (2024.01 - EP); **B01J 37/0009** (2013.01 - EP US); **B01J 37/0063** (2013.01 - EP); **B01J 37/0072** (2013.01 - US); **B01J 37/0201** (2013.01 - EP); **B01J 37/08** (2013.01 - EP); **B01J 37/10** (2013.01 - US); **C01B 17/0434** (2013.01 - US); **C01B 17/165** (2013.01 - US); **C04B 38/08** (2013.01 - EP); **C10G 2/33** (2013.01 - EP); **C10G 49/02** (2013.01 - EP); **B01J 2220/42** (2013.01 - EP); **C04B 2111/0081** (2013.01 - EP); **Y02C 20/10** (2013.01 - EP)

C-Set (source: EP)
1. **C04B 38/08 + C04B 35/10 + C04B 38/0675**
2. **C04B 38/08 + C04B 35/16 + C04B 38/0675**

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 3105022 A1 20210625; **FR 3105022 B1 20220819**; CN 114786813 A 20220722; EP 4076743 A1 20221026; JP 2023506983 A 20230220; US 2023035172 A1 20230202; WO 2021122201 A1 20210624

DOCDB simple family (application)
FR 1915084 A 20191220; CN 202080088630 A 20201209; EP 2020085222 W 20201209; EP 20819772 A 20201209; JP 2022537563 A 20201209; US 202017786103 A 20201209