Title (en)

CATALYST BASED ON A SILICON-CONTAINING MATERIAL WITH HIERARCHICAL POROSITY AND METHOD FOR THE HYDROCRACKING/ HYDROCONVERSION AND HYDROPROCESSING OF HYDROCARBON FEEDSTOCKS

Title (de)

AUF SILIZIUMHALTIGEM MATERIAL BASIERENDER KATALYSATOR MIT HIERARCHISCHER POROSITÄT UND HYDROCRACKING-/ HYDROKONVERSIONS- SOWIE HYDRIERVERFAHREN FÜR KOHLENWASSERSTOFFROHMATERIAL

Title (fr)

CATALYSEUR A BASE D'UN MATERIAU A POROSITE HIERARCHISEE COMPRENANT DU SILICIUM ET PROCEDE D'HYDROCRAQUAGE/ HYDROCONVERSION ET D'HYDROTRAITEMENT DE CHARGES HYDROCARBONEES

Publication

EP 2097169 A2 20090909 (FR)

Application

EP 07866473 A 20071029

Priority

- FR 2007001805 W 20071029
- FR 0610270 A 20061123

Abstract (en)

[origin: FR2909012A1] Catalyst comprises a support formed of a material with hierarchical porosity comprising silicon and at least two elementary spherical particles, where each of the spherical particles comprises zeolitic nanocrystals having a pore size of 0.2-2 nm and a silicon oxide matrix, mesostructured with a pore size of 1.5-30 nm and having amorphous wall with thickness of 1-30 nm, where the elementary spherical particles has a maximum diameter of 100 mu m; and an active phase containing a hydro-dehydrogenating element of group VIB and/or group VIII of the periodic table. Independent claims are included for: (1) a hydrocarbon hydrocracking and/or hydroconversion process using the catalyst; and (2) a hydrotreatment process of hydrocarbon charges using the catalyst.

IPC 8 full level

B01J 29/072 (2006.01); **B01J 29/076** (2006.01); **B01J 29/80** (2006.01); **C10G 47/20** (2006.01)

CPC (source: EP US)

B01J 29/005 (2013.01 - EP US); **B01J 35/40** (2024.01 - EP US); **B01J 37/0045** (2013.01 - EP US); **C10G 47/20** (2013.01 - EP US); **C10G 49/08** (2013.01 - EP US); **C10G 65/12** (2013.01 - EP US); B01J 29/0308 (2013.01 - EP US); B01J 29/041 (2013.01 - EP US); B01J 29/06 (2013.01 - EP US); B01J 29/072 (2013.01 - EP US); B01J 29/076 (2013.01 - EP US); B01J 29/084 (2013.01 - EP US); B01J 29/126 (2013.01 - EP US); B01J 29/146 (2013.01 - EP US); B01J 29/166 (2013.01 - EP US); B01J 29/40 (2013.01 - EP US); B01J 29/46 (2013.01 - EP US); B01J 29/48 (2013.01 - EP US); B01J 2229/20 (2013.01 - EP US); B01J 2229/62 (2013.01 - EP US)

Citation (search report)

See references of WO 2008068398A2

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