Title (en)

METHOD FOR THE SELECTIVE HYDROGENATION OF A GASOLINE FRACTION IN THE PRESENCE OF A SUPPORTED SULFIDE CATALYST PREPARED USING AT LEAST ONE CYCLIC OLIGOSACCHARIDE

Title (de)

VERFAHREN ZUR SELEKTIVEN HYDROGENIERUNG EINER BENZINFRAKTION UNTER VERWENDUNG EINES AUS MINDESTENS EINEM ZYKLISCHEN OLIGOSACCHARID HERGESTELLTEN GETRÄGERTEN SULFID-KATALYSATORS

Title (fr)

PROCEDE D'HYDROGENATION SELECTIVE D UNE COUPE ESSENCE EN PRESENCE D'UN CATALYSEUR SULFURE SUPPORTE PREPARE AU MOYEN D'AU MOINS UN OLIGOSACCHARIDE CYCLIQUE

Publication

EP 2598613 A1 20130605 (FR)

Application

EP 11743261 A 20110624

Priority

- FR 1003190 A 20100729
- FR 2011000367 W 20110624

Abstract (en)

[origin: WO2012022849A1] The invention relates to a method for the selective hydrogenation of a gasoline fraction containing polyunsaturated hydrocarbons having at least two carbon atoms per molecule and having a final boiling point of no higher than 250°C, wherein said method consists of contacting said gasoline fraction with at least one catalyst, the active phase of which includes at least one Group VIII metal and one Group VIB metal deposited on a support, said catalyst being prepared according to a method including at least: i) a step of placing at least said support in contact with at least one solution containing at least one precursor of at least said Group VIII metal and at least one precursor of at least said Group VIB metal; ii) a step of placing at least said support in contact with at least one organic compound consisting of at least one cyclic oligosaccharide including at least six glucopyranose subunits bonded at a-(1,4); iii) a calcination step for obtaining at least said Group VIII metal and at least said Group VIB in oxide form; and iv) a sulfidation step, such that said active phase is provided in sulfide form, wherein steps i) and ii) can be carried out separately in any order, or simultaneously.

IPC 8 full level

C10G 45/38 (2006.01); **B01J 23/652** (2006.01); **B01J 23/85** (2006.01); **B01J 31/02** (2006.01); **B01J 31/22** (2006.01); **B01J 37/02** (2006.01); **C07C 5/02** (2006.01)

CPC (source: EP KR US)

B01J 23/652 (2013.01 - EP KR US); **B01J 23/85** (2013.01 - EP KR US); **B01J 23/881** (2013.01 - EP US); **B01J 23/882** (2013.01 - EP US); **B01J 23/883** (2013.01 - EP US); **B01J 23/888** (2013.01 - EP US); **B01J 31/02** (2013.01 - KR); **B01J 35/613** (2024.01 - EP US); **B01J 35/615** (2024.01 - EP US); **B01J 35/633** (2024.01 - EP US); **B01J 35/635** (2024.01 - EP US); **B01J 35/638** (2024.01 - EP US); **B01J 37/0201** (2013.01 - EP US); **B01J 37/0203** (2013.01 - EP US); **B01J 37/20** (2013.01 - EP US); **C07C 5/05** (2013.01 - EP US); **C10G 45/00** (2013.01 - KR); **C10G 45/38** (2013.01 - EP KR US); C10G 2300/104 (2013.01 - EP US); C10G 2300/1044 (2013.01 - EP US); C10G 2300/202 (2013.01 - EP US); C10G 2300/301 (2013.01 - EP US); C10G 2300/4018 (2013.01 - EP US)

Citation (search report)

See references of WO 2012022849A1

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)

FR 2963359 A1 20120203; **FR 2963359 B1 20120727**; BR 112013002162 A2 20160920; BR 112013002162 B1 20181218; EP 2598613 A1 20130605; KR 101886454 B1 20180807; KR 20130099017 A 20130905; SA 111320647 B1 20140702; US 2013211163 A1 20130815; US 9206094 B2 20151208; WO 2012022849 A1 20120223

DOCDB simple family (application)

FR 1003190 A 20100729; BR 112013002162 A 20110624; EP 11743261 A 20110624; FR 2011000367 W 20110624; KR 20137005061 A 20110624; SA 111320647 A 20110727; US 201113813021 A 20110624