

Title (en)  
METHOD FOR THE SELECTIVE HYDROGENATION OF A GASOLINE IN THE PRESENCE OF A CATALYST ON A MESOPOROUS-MACROPOROUS SUBSTRATE

Title (de)  
VERFAHREN ZUR SELEKTIVEN HYDRIERUNG EINES BENZINS IN GEGENWART EINES KATALYSATORS AUF EINEM MESOPORÖSEN MAKROPORÖSEN SUBSTRAT

Title (fr)  
PROCEDE D'HYDROGENATION SELECTIVE D'UNE ESSENCE EN PRESENCE D'UN CATALYSEUR SUR SUPPORT MESO-MACROPOREUX

Publication  
**EP 4251713 A1 20231004 (FR)**

Application  
**EP 21806764 A 20211118**

Priority  
• FR 2012318 A 20201127  
• EP 2021082067 W 20211118

Abstract (en)  
[origin: WO2022112079A1] Disclosed is a method for the selective hydrogenation of a gasoline comprising polyunsaturated compounds and light sulfur compounds wherein the gasoline, in conjunction with hydrogen, is brought into contact with a catalyst comprising a group VIB metal, a group VIII metal and a mesoporous and macroporous alumina substrate having a bimodal mesopore distribution and wherein: - the volume of mesopores having a diameter greater than or equal to 2 nm and less than 18 nm corresponds to between 10 and 30% by volume of the total pore volume of said substrate; - the volume of mesopores having a diameter greater than or equal to 18 nm and less than 50 nm corresponds to between 30 and 50% by volume of the total pore volume of said substrate; - the volume of macropores having a diameter greater than or equal to 50 nm and less than 8000 nm corresponds to between 30 and 50% by volume of the total pore volume of said substrate.

IPC 8 full level  
**C10G 45/08** (2006.01); **B01J 23/84** (2006.01); **B01J 23/882** (2006.01); **B01J 23/883** (2006.01); **B01J 35/10** (2006.01); **B01J 37/03** (2006.01); **C10G 45/38** (2006.01)

CPC (source: EP KR US)  
**B01J 6/001** (2013.01 - US); **B01J 21/04** (2013.01 - EP KR); **B01J 23/85** (2013.01 - EP KR); **B01J 23/883** (2013.01 - EP KR US); **B01J 35/613** (2024.01 - EP KR US); **B01J 35/615** (2024.01 - EP KR US); **B01J 35/635** (2024.01 - EP KR US); **B01J 35/638** (2024.01 - EP KR US); **B01J 35/647** (2024.01 - US); **B01J 35/651** (2024.01 - US); **B01J 35/653** (2024.01 - US); **B01J 35/66** (2024.01 - EP KR); **B01J 35/69** (2024.01 - EP KR); **B01J 35/695** (2024.01 - EP KR); **B01J 37/0018** (2013.01 - EP KR); **B01J 37/0063** (2013.01 - EP KR); **B01J 37/0201** (2013.01 - US); **B01J 37/06** (2013.01 - EP KR); **B01J 37/08** (2013.01 - US); **B01J 37/10** (2013.01 - EP KR); **C10G 45/38** (2013.01 - EP KR); **C10G 45/60** (2013.01 - US); **C10G 2300/1037** (2013.01 - US); **C10G 2400/02** (2013.01 - US)

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**EP 2021082067 W 20211118**; AU 2021386151 A 20211118; CN 202180079686 A 20211118; EP 21806764 A 20211118; FR 2012318 A 20201127; JP 2023532273 A 20211118; KR 20237017907 A 20211118; MX 2023005249 A 20211118; US 202118036772 A 20211118