

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

Title (de)
VERFAHREN ZUR HYDROENTSCHWEFELUNG IN GEGENWART EINES KATALYSATORS AUF EINEM MESOPORÖSEN MAKROPORÖSEN SUBSTRAT

Title (fr)
PROCEDE D'HYDRODESULFURATION EN PRESENCE D'UN CATALYSEUR SUR SUPPORT MESO-MACROPOREUX

Publication
EP 4251715 A1 20231004 (FR)

Application
EP 21807139 A 20211118

Priority
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• EP 2021082066 W 20211118

Abstract (en)
[origin: WO2022112078A1] Disclosed is a method for the hydrodesulfurization of an olefinic gasoline cut containing sulfur, wherein said gasoline cut, hydrogen and a catalyst are brought into contact, said 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
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