

Title (en)

METHOD FOR DESULFURIZING A HYDROCARBON MIXTURE

Title (de)

VERFAHREN ZUR ENTSCHEFELUNG EINES KOHLENWASSERSTOFFGEMISCHES

Title (fr)

PROCÉDÉ DE DÉSULFURATION D'UN MÉLANGE HYDROCARBONÉ

Publication

**EP 3417035 B1 20200729 (DE)**

Application

**EP 17720561 A 20170213**

Priority

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- IB 2017000101 W 20170213

Abstract (en)

[origin: WO2017141097A1] A method for desulfurizing a hydrocarbon mixture containing organic sulfur compounds comprises the steps of: a) producing a sodium dispersion b) addition of the sodium dispersion to the hydrocarbon mixture to be desulfurized c) passing the mixture of sodium dispersion and hydrocarbon mixture through a reactor, wherein the reaction conditions, in particular pressure and temperature, are chosen in such a way as to bring about a reaction of the sodium with the organic sulfur compounds in which sulfur atoms are leached out of the organic sulfur compounds and bond with the sodium. The reactor is a turbulent flow reactor, preferably a tubular reactor or an oscillating plug flow reactor having an internal screw conveyor.

IPC 8 full level

**C10G 19/073** (2006.01); **C10G 29/04** (2006.01)

CPC (source: EP)

**C10G 19/073** (2013.01); **C10G 29/04** (2013.01); **C10G 67/02** (2013.01); **C10G 67/10** (2013.01); **C10G 2300/202** (2013.01)

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