

Title (en)
PROCESS FOR THE HYDROGENATION OF CARBON SULPHIDE USING A SULPHIDIC COBALT MOLYBDENUM CATALYST ON AN ALUMINIUM OXIDE CARRIER

Title (de)
VERFAHREN ZUR HYDRIERUNG VON CARBONSULFIDE UNTER VERWENDUNG VON EINEM SULFIDIERTEN KOBALT- UND MOLYBDÄN-KATALYSATOR AUF EINEM ALUMINIUMOXID-TRÄGER

Title (fr)
PROCÉDÉ D'HYDROGÉNATION DE SULFURE DE CARBONE À L'AIDE D'UN CATALYSEUR SULFURÉ AU COBALT ET AU MOLYBDÈNE SUR SUPPORT ALUMINE

Publication
EP 2943556 A1 20151118 (EN)

Application
EP 14702755 A 20140108

Priority

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- DE 102013010473 A 20130603
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- EP 2014050190 W 20140108

Abstract (en)
[origin: WO2014108423A1] A process for the production of synthesis gas from coke is suggested, in which (a) hard coal is subjected to dry pyrolysis, resulting in the production of a gas mixture containing hydrogen, methane, nitrogen and carbon monoxide as major constituents and carbon sulphides as minor constituents, (b) the gas mixture is subjected to hydrogenation at a temperature in the range of 200 to 280 °C over a sulphidic cobalt molybdenum catalyst provided on an aluminium oxide carrier material, and (c) the hydrogen sulphide obtained from hydrogenation is separated from the gas mixture.

IPC 8 full level
C10K 1/00 (2006.01); **C10K 1/34** (2006.01)

CPC (source: CN EP)
C10K 1/004 (2013.01 - CN EP); **C10K 1/34** (2013.01 - CN EP)

Citation (search report)
See references of WO 2014108423A1

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