

Title (en)

PROCESS FOR CRACKING A HYDROCARBON-CONTAINING FEED

Title (de)

VERFAHREN ZUM CRACKEN EINES KOHLENWASSERSTOFFHALTIGEN ROHSTOFFES

Title (fr)

PROCÉDÉ DE CRAQUAGE D'UNE CHARGE CONTENANT DES HYDROCARBURES

Publication

EP 2526174 A2 20121128 (EN)

Application

EP 11701439 A 20110121

Priority

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Abstract (en)

[origin: WO2011091202A2] A process for treating a hydrocarbon-containing feed is provided in which a hydrocarbon-containing feed comprising at least 20 wt.% of heavy hydrocarbons is mixed with hydrogen, hydrogen sulfide, and a catalyst to produce a hydrocarbon-containing product. The catalyst is comprised of a material comprised of a first metal and a second metal, where the first metal is selected from the group consisting of Cu, Fe, Ni, Co, Bi, Ag, Mn, Zn, Sn, Ru, La, Pr, Sm, Eu, Yb, Lu, Dy, Pb, and Sb and the second metal is Mo, W, Sn, and Sb, wherein the material is comprised of at least three linked chain elements, the chain elements comprising a first chain element including the first metal and having a structure according to formula (I) and a second chain element including the second metal and having a structure according to formula (II) (I) (II) where M1 is the first metal where M2 is the second metal where the material contains at least one first chain element and at least one second chain element and where chain elements in the material are linked by bonds between the two sulfur atoms of a chain element and the metal of an adjacent chain.

IPC 8 full level

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