

Title (en)
Process for the conversion of heavy petroleum fractions for the production of a feedstock for a catalytic cracking process and low sulfur middle distillates

Title (de)
Verfahren zur Umwandlung von schweren teroleumfraktionen zur Herstellung einer Beschickung für ein katalytisches Crackverfahren und Mitteldestillate mit niedrigem Schwefelgehalt

Title (fr)
Procédé de conversion de fractions lourdes pétrolières pour produire une charge de craquage catalytique et des distillats moyens de faible teneur en soufre

Publication
EP 1310544 B1 20110921 (FR)

Application
EP 02290432 A 20020222

Priority
FR 0114531 A 20011109

Abstract (en)
[origin: EP1310544A1] Treatment of a charge of which at least 80% has a boiling point above 340 degrees C and contains at least 0.05% sulfur, to produce a gasoil of sulfur content less than 50 ppm by a 4 stage process involving mild hydrocracking, separation of gases from the effluent formed, hydrotreatment and separation of hydrogen with production of a gasoil of less than 50 ppm of sulfur. <??>The process comprises: <??>(a) mild hydrocracking in a catalytic fixed bed at 330-500 degrees C, 2-12 MPa, VVH of 0.1-10 h<-1> and in the presence of 100-5000 Nm<3> of H2/m<3> of charge, the net conversion to products boiling below 360 degrees C being 10-50 wt.%; <??>(b) the separation from the effluent of a gas containing H2, H2S and a fraction heavier than the gasoil; <??>(c) hydrotreatment by contact with a catalyst of a distillate cut obtained in (b) which includes a gasoil fraction at 300-500 degrees C, 2-12 MPa, a VVH of 0.1-10 h<-1> and in the presence of 200-5000 Nm<3> of H2/m<3> of charge; and <??>(d) the separation of H2, gases and a gasoil of S content less than 50 ppm weight. <??>An Independent claim is also included for the apparatus used for the above process.

IPC 8 full level
C10G 65/12 (2006.01); **C10G 69/02** (2006.01)

CPC (source: EP)
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Cited by
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