

Title (en)

Process for the selective desulfurisation of olefinic gasolines comprising a hydrogen purification step

Title (de)

Verfahren zur selektiven Entschwefelung von olefinischen Benzin mit einer Wasserstoffreinigungsstufe

Title (fr)

Procédé de désulfuration sélective des essences oléfiniques comprenant une étape de purification de l'hydrogène

Publication

EP 1647590 B1 20080123 (FR)

Application

EP 05291688 A 20050805

Priority

FR 0410260 A 20040928

Abstract (en)

[origin: FR2875809A1] Hydrodesulfuration of a hydrocarbon cut(HC) containing at least 5% of olefins in wich the cut is mixed with a hydrogen supply(HYD) and recycled hydrogen(REC) at the inlet to the reactor.The reactor contains a desulfuration catalyst in conditions enabling transformation of sulfur compounds to hydrogen sulfide ; a purification process may be effected on the HYD/REC supply so that the overall charge comprises no more than 50 vppm of carbon monoxide and at least 120 vppm of carbon monoxide + 1/2 carbon dioxide.

IPC 8 full level

C10G 45/08 (2006.01)

CPC (source: EP)

C10G 45/08 (2013.01); **C10G 2300/202** (2013.01); **C10G 2300/207** (2013.01); **C10G 2300/42** (2013.01); **C10G 2400/02** (2013.01)

Cited by

EP3980159A4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2875809 A1 20060331; **FR 2875809 B1 20061117**; AT E384777 T1 20080215; DE 602005004474 D1 20080313; DE 602005004474 T2 20080430; EP 1647590 A1 20060419; EP 1647590 B1 20080123; JP 2006097029 A 20060413; JP 4938278 B2 20120523

DOCDB simple family (application)

FR 0410260 A 20040928; AT 05291688 T 20050805; DE 602005004474 T 20050805; EP 05291688 A 20050805; JP 2005281992 A 20050928