

Title (en)

A hydrocracking process for the production of ultra low sulfur diesel

Title (de)

Hydrokrackverfahren zum Erzeugen von Diesel mit extrem niedrigem Schwefelgehalt

Title (fr)

Procédé d'hydrocraquage pour la production de diesel à teneur en soufre ultra-faible

Publication

EP 1752511 B1 20090311 (EN)

Application

EP 05017296 A 20050809

Priority

EP 05017296 A 20050809

Abstract (en)

[origin: EP1752511A1] A catalytic hydrocracking process for the production of ultra low sulfur diesel wherein a hydrocarbonaceous feedstock is hydrocracked at elevated temperature and pressure to obtain conversion to diesel boiling range hydrocarbons. The resulting hydrocracking zone effluent is hydrogen stripped in a stripping zone maintained at essentially the same pressure as the hydrocracking zone to produce a first gaseous hydrocarbonaceous stream and a first liquid hydrocarbonaceous stream. The first gaseous hydrocarbonaceous stream containing diesel boiling range hydrocarbons is introduced into a desulfurization zone and subsequently partially condensed to produce a hydrogen-rich gaseous stream and a second liquid hydrocarbonaceous stream containing diesel boiling range hydrocarbons. The first liquid stream is separated to produce a third liquid hydrocarbonaceous stream containing diesel boiling range hydrocarbons which is also introduced into the desulfurization zone. An ultra low sulfur diesel product stream is recovered.

IPC 8 full level

C10G 65/10 (2006.01); **C10G 47/00** (2006.01)

CPC (source: EP)

C10G 65/12 (2013.01); **C10G 2400/04** (2013.01)

Cited by

US10167433B2; WO2015116513A1; US9303219B2; WO2024010770A1

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