

Title (en)

Method of desulphurating hydrocarbon fractions from steam cracking effluent

Title (de)

Entschwefelungsverfahren von Kohlenwasserstofffraktionen, die aus dampfgecrackten Abgasen stammen

Title (fr)

Procédé de désulfuration de fractions hydrocarbonées issues d'effluents de vapocraquage

Publication

EP 1972678 B1 20100428 (FR)

Application

EP 08290204 A 20080227

Priority

FR 0701896 A 20070314

Abstract (en)

[origin: EP1972678A1] Treating charge of pyrolysis gasoline comprises: at least selective hydrogenation of charge called HD1; fractionating of hydrogenation effluent in more distillation columns to produce light cut C5, C6 intermediate cut or C6-C7 or C6-C8, and heavy cut C7+ or C8+ or C9+; hydrodesulfurization and deep hydrogenation of intermediate cut called HD2; at least alkylation of heavy cut C7+, C8+ and C9+ comprising treatment on acid catalyst; and distillation of alkylation effluent to produce light fraction of low sulfur content and heavy fraction C11+ or C12+ rich in sulfur content. Treating a charge of pyrolysis gasoline comprises: at least selective hydrogenation of the charge called HD1; fractionating of hydrogenation effluent in more distillation columns to produce at least a light cut C5, C6 intermediate cut or C6-C7 or C6-C8 intended to produce of aromatics, and a heavy cut C7+ or C8+ or C9+ intended to produce gasoline; hydrodesulfurization and deep hydrogenation of the intermediate cut called HD2; at least alkylation of heavy cut C7+, C8+ and C9+ comprising a treatment on acid catalyst which causes a heaviness of sulfur compounds; and at least distillation of the alkylation effluent to produce a light fraction of low sulfur content directly used as gasoline base, and a heavy fraction C11+ or C12+ rich in sulfur content used as a medium distillate or fuel.

IPC 8 full level

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DOCDB simple family (publication)

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