

Title (en)

PROCESS FOR AROMATIC HYDROGENATION AND CETANE VALUE INCREASE OF MIDDLE-DISTILLATE FEEDSTOCKS

Title (de)

VERFAHREN ZUR AROMATENHYDRIERUNG UND CETANZÄHLERHÖHUNG VON MITTELDESTILLAT-EINSATZSTOFFEN

Title (fr)

PROCÉDÉ D'HYDROGÉNATION AROMATIQUE ET AUGMENTATION DE L'INDICE DE CÉTANE DE CHARGES DE DISTILLAT MOYEN

Publication

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Application

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Abstract (en)

[origin: EP2199371A1] The instant invention pertains to a process for treating a feed, for example a Light Cycle Oil (LCO), having a high content of S and/or N impurities and/or a high content of aromatics, comprising the following steps, in particular in such an order a step of desulphurisation (HDS) and denitrification (HDN) of a feed, in particular LCO, is passed in presence of hydrogen over a catalyst, containing metals of the group VI B and VIII, leading to an effluent, optionally a step of stripping of the effluent, at least a subsequent step for dearomatization (HDA) in which at least a portion of the effluent, optionally stripped, is passed in presence of hydrogen over a catalyst comprising a combination of platinum and palladium supported on a carrier comprising silica-alumina dispersed in an alumina binder wherein the amount of alumina binder is 5-50 wt. % based on the total weight of the silica-alumina and alumina binder present in the carrier and wherein the silica-alumina comprises 5-50 wt. % of alumina based on the weight of the silica-alumina, and recovering the final load obtained, the use of a specific catalyst and a process for preparing diesel comprising the step of mixing the final effluent obtained by a process of the invention.

IPC 8 full level

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