

Title (en)
INTEGRATED FLUID BED CATALYTIC CRACKING PROCESS FOR OBTAINING HIGH-QUALITY HYDROCARBON MIXTURES AS FUEL

Title (de)
KATALYTISCHES CRACKING-VERFAHREN IN EINEM INTEGRIERTEN FLÜSSIGBETT ZUR GEWINNUNG VON KOHLENWASSERSTOFFMISCHUNGEN VON HOHER QUALITÄT ALS BRENNSTOFF

Title (fr)
PROCÉDÉ INTÉGRÉ DE CRAQUAGE CATALYTIQUE EN LIT FLUIDISÉ PERMETTANT L'OBTENTION DE MÉLANGES D'HYDROCARBURES DE HAUTE QUALITÉ UTILISABLES EN TANT QUE CARBURANTS

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Application
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Abstract (en)
[origin: WO2010086735A1] The present invention relates to an integrated fluid bed catalytic cracking process (FCC) which allows the production of high-quality hydrocarbon mixtures as fuel. In particular the invention relates to an integrated process comprising a fluid bed catalytic cracking stage in which hydrocarbon cuts of a petroliferous origin are converted, in the presence of a catalyst, with at least two components containing ERS-10 zeolite, into mixtures with a high content of light cycle oil (LCO) having a high quality in terms of density and nature of the aromatic compounds contained therein. After a separation stage and a hydrotreatment stage, the LCO cut is subjected to an upgrading stage by treatment with hydrogen and with a catalyst comprising one or more metals selected from Pt, Pd, Ir, Ru, Rh and Re and a silico-aluminate of an acid nature.

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