

Title (en)

Process for lowering the content of benzene and of light unsaturated compounds in hydrocarbon fractions

Title (de)

Verfahren zur Erniedrigung des Gehaltes von Benzol und von leichten ungesättigten Verbindungen in Kohlenwasserstofffraktionen

Title (fr)

Procédé de réduction sélective de la teneur en benzène et en composés insaturés légers d'une coupe d'hydrocarbures

Publication

EP 0781831 B1 20011212 (FR)

Application

EP 96402910 A 19961227

Priority

FR 9515529 A 19951227

Abstract (en)

[origin: EP0781831A1] The treatment of a charge comprising mainly 5C hydrocarbons and containing at least one unsaturated 6C maximum compound including benzene comprises treating the charge in a distillation column consisting of a draining zone and a rectification zone associated with a hydrogenation reaction zone, comprising at least one catalytic bed, in which part of the unsaturated compounds are hydrogenated in the presence of a catalyst and a hydrogen (H₂) flow; the charge from the reaction zone is sampled at a suitable level and returned to the distillation zone to ensure continuity of the process. From the head and base of the column are obtained effluents depleted in unsaturated compounds up to 6C; part of the head effluent (comprising 5 and/or 6C paraffins) is treated in an isomerisation zone in the presence of a catalyst to give an isomerate.

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CPC (source: EP KR US)

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