

Title (en)

Process for the conversion of hydrocarbons by treatment in a distillation zone associated with a reaction zone and its application in the hydrogenation of benzene

Title (de)

Verfahren zur Umsetzung von Kohlenwasserstoffen in einer mit einer Reaktionszone verbundenen Destillationsanlage und Anwendung für die Hydrogenierung von Benzol

Title (fr)

Procédé de conversion d'hydrocarbures par traitement dans une zone de distillation associée à une zone réactionnelle et son utilisation en hydrogénation du benzène

Publication

**EP 0949316 B1 20040804 (FR)**

Application

**EP 99400740 A 19990325**

Priority

FR 9804352 A 19980406

Abstract (en)

[origin: EP0949316A1] The hydrocarbon is removed from the distillation column at a level where liquid flows and the reactor effluent is partly reintroduced into the distillation column at a reintroduction level to ensure distillation continues. The effluent reintroduced into the column is supplied at a temperature lower than the extraction temperature and the extraction level is below the reintroduction level. Converting hydrocarbons uses a distillation column producing vapor at the top and an effluent at the bottom, connected to a reactor containing at least one catalytic bed producing a conversion reaction in the presence of a gas flow containing hydrogen. The reintroduction level are above the level for extracting the reactor feed.

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IPC 8 full level

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CPC (source: EP US)

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