

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 durch Behandlung 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 hydrogenation du benzène

Publication

EP 0949315 B1 20050803 (FR)

Application

EP 99400738 A 19990325

Priority

FR 9804351 A 19980406

Abstract (en)

[origin: EP0949315A1] The hydrocarbon is removed from the distillation column at a level where liquid flows and the effluent from the reactor is partly reintroduced into the distillation column at a reintroduction level to ensure the distillation continues. A liquid distillate is extracted at at least one extraction level which is below the level for extracting vapor distillate. Converting hydrocarbons comprises the use of 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 reaction in the presence of a gas flow containing hydrogen.

IPC 1-7

C10G 45/44; **C10G 49/00**

IPC 8 full level

C10G 7/06 (2006.01); **C10G 45/44** (2006.01); **C10G 47/00** (2006.01); **C10G 49/00** (2006.01); **C10G 61/02** (2006.01)

CPC (source: EP US)

C10G 45/44 (2013.01 - EP US); **C10G 49/00** (2013.01 - EP US)

Designated contracting state (EPC)

BE DE ES GB GR IT NL

DOCDB simple family (publication)

EP 0949315 A1 19991013; **EP 0949315 B1 20050803**; CA 2265991 A1 19991006; CA 2265991 C 20090623; DE 69926430 D1 20050908; DE 69926430 T2 20060126; ES 2246560 T3 20060216; FR 2777012 A1 19991008; FR 2777012 B1 20000825; JP 4348657 B2 20091021; JP H11323357 A 19991126; US 6261442 B1 20010717

DOCDB simple family (application)

EP 99400738 A 19990325; CA 2265991 A 19990401; DE 69926430 T 19990325; ES 99400738 T 19990325; FR 9804351 A 19980406; JP 9849699 A 19990406; US 28567999 A 19990405