

Title (en)

METHOD AND DEVICE FOR CATALYTIC CRACKING COMPRISING REACTORS WITH DESCENDING AND ASCENDING FLOWS

Title (de)

VERFAHREN UND EINRICHTUNG ZUM KATALYTISCHEN CRACKEN MIT ABWÄRTS- UND AUFWÄRTSSTRÖMENDEN REAKTOREN

Title (fr)

PROCEDE ET DISPOSITIF DE CRAQUAGE CATALYTIQUE COMPRENANT DES REACTEURS A ECOULEMENTS DESCENDANT ET ASCENDANT

Publication

EP 1131389 B1 20040714 (FR)

Application

EP 99972244 A 19991112

Priority

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Abstract (en)

[origin: US6641715B1] An entrained bed or fluidised bed process for catalytic cracking of a hydrocarbon feed in two reaction zones is described, one zone (1) being in catalyst dropper mode, the other (2) being in catalyst riser mode. A feed (102) and catalyst from at least one regeneration zone (302) are introduced into the upper portion of the dropper zone, the feed and catalyst are circulated in accordance with a catalyst to feed weight ratio, C/O, of 5 to 20, the cracked gases are separated from the coked catalyst in a first separation zone (105), the cracked gases are recovered (107), the coked catalyst is introduced (110) into the lower portion of the riser zone (2), the coked catalyst and said feed are circulated in a C/O weight ratio of 4 to 8, the used catalyst is separated from the effluent produced in a second separation zone (203), the catalyst is stripped in a stripping zone (212), the effluent and stripping gases are recovered (206) and the used catalyst is recycled (7) to the regeneration zone.

IPC 1-7

C10G 11/18; **C10G 51/06**

IPC 8 full level

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