

Title (en)

ANCILLARY CRACKING OF PARAFFINIC NAPHTHA IN CONJUNCTION WITH FCC UNIT OPERATIONS

Title (de)

ZUSÄTZLICHES CRACKEN VON PARAFFINISCHEM NAPHTHA IN VERBINDUNG MIT DEM BETRIEB EINER FCC-EINHEIT

Title (fr)

CRAQUAGE AUXILIAIRE DE NAPHTHA PARAFFINIQUE EN CONJONCTION AVEC LES OPÉRATIONS D'UNE UNITÉ DE CRAQUAGE CATALYTIQUE FLUIDE

Publication

EP 2052058 A2 20090429 (EN)

Application

EP 07796864 A 20070713

Priority

- US 2007016054 W 20070713
- US 48702206 A 20060713

Abstract (en)

[origin: WO2008008527A2] The production of light hydrocarbons consisting of ethylene, propylene, butylenes, and of gasoline is enhanced by introducing a virgin paraffinic naphtha feedstream derived from an external source into an ancillary downflow reactor that utilizes the same catalyst composition as an adjacent FCC unit for cracking the naphtha and withdrawing the desired lighter hydrocarbon reaction product stream from the downflow reactor and regenerating the catalyst in the same regeneration vessel that is used to regenerate the spent catalyst from the FCC unit. The efficiency of the recovery of the desired lighter olefinic hydrocarbons is maximized by limiting the feedstream to the downflow reactor to paraffinic naphtha that can be processed under relatively harsher conditions, while minimizing production of undesired by-products and reducing the formation of coke on the catalyst.

IPC 8 full level

C10G 11/00 (2006.01); **C10G 51/06** (2006.01)

CPC (source: EP KR US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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