

Title (en)

CATALYTIC CRACKING OF LIGHT NAPHTHA OVER DUAL RISER FCC REACTOR

Title (de)

KATALYTISCHES CRACKING VON LEICHTBENZIN ÜBER FCC-REAKTOR MIT DOPPELTEM STEIGROHR

Title (fr)

CRAQUAGE CATALYTIQUE DE NAPHTHA LÉGER SUR UN RÉACTEUR DE CRAQUAGE CATALYTIQUE FLUIDE (FCC) À DOUBLE COLONNE MONTANTE

Publication

EP 3830222 A1 20210609 (EN)

Application

EP 19778639 A 20190726

Priority

- US 201862711414 P 20180727
- US 201862777038 P 20181207
- IB 2019056416 W 20190726

Abstract (en)

[origin: WO2020021514A1] Systems and methods for producing light olefins and aromatics from light naphtha are disclosed. The light naphtha is fed to a first catalyst riser to crack the C5 to C7 hydrocarbons in the light naphtha stream. The cracked naphtha stream is fractionated to produce a stream comprising primarily C4 to C6 hydrocarbons or a stream comprising primarily C5 to C12 hydrocarbons. When the stream comprising primarily C4 to C6 hydrocarbons is fed to the second catalyst riser, the product stream from the second riser comprises light olefins as the main product. When the stream comprising primarily C5 to C12 hydrocarbons is fed to the second riser, the product stream from the second riser comprises aromatics as the main product.

IPC 8 full level

C10G 11/18 (2006.01); **C10G 51/02** (2006.01)

CPC (source: EP US)

C10G 11/182 (2013.01 - EP US); **C10G 51/026** (2013.01 - EP US); **C10G 2300/104** (2013.01 - EP US); **C10G 2400/20** (2013.01 - EP US); **C10G 2400/22** (2013.01 - EP US); **C10G 2400/30** (2013.01 - EP US)

Citation (search report)

See references of WO 2020021514A1

Designated contracting state (EPC)

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