

Title (en)

DENSE PHASE FLUIDIZED BED REACTOR TO MAXIMIZE BTX PRODUCTION YIELD

Title (de)

FLIESSBETTREAKTOR MIT DICHTER PHASE ZUR MAXIMIERUNG DER BTX-PRODUKTIONSAUSBEUTE

Title (fr)

RÉACTEUR À LIT FLUIDISÉ À PHASE DENSE POUR MAXIMISER LE RENDEMENT DE PRODUCTION DE BTX

Publication

**EP 4004151 A1 20220601 (EN)**

Application

**EP 20751300 A 20200729**

Priority

- US 201962881238 P 20190731
- IB 2020057163 W 20200729

Abstract (en)

[origin: WO2021019465A1] Systems and methods for producing aromatics are disclosed. A mixture of hydrocarbons having an initial boiling point of less than 250 oC with catalyst in a fluidized bed under reaction conditions effective to produce one or more aromatics. The reaction conditions include an average solids volume fraction of the fluidized bed in a range of 0.35 to 0.45.

IPC 8 full level

**C10G 11/16** (2006.01); **C10G 11/18** (2006.01)

CPC (source: EP US)

**C10G 11/16** (2013.01 - EP); **C10G 11/182** (2013.01 - EP US); **C10G 2300/104** (2013.01 - EP US); **C10G 2300/1044** (2013.01 - EP US); **C10G 2300/308** (2013.01 - US); **C10G 2300/4006** (2013.01 - US); **C10G 2300/4012** (2013.01 - US); **C10G 2300/4018** (2013.01 - US); **C10G 2300/70** (2013.01 - US); **C10G 2400/20** (2013.01 - EP US); **C10G 2400/30** (2013.01 - EP US)

Citation (search report)

See references of WO 2021019465A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2021019465 A1 20210204**; **WO 2021019465 A8 20210923**; CN 114364454 A 20220415; CN 114364454 B 20231107; EP 4004151 A1 20220601; US 2022251456 A1 20220811

DOCDB simple family (application)

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