

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)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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)

IB 2020057163 W 20200729; CN 202080061431 A 20200729; EP 20751300 A 20200729; US 202017625406 A 20200729