

Title (en)

IN SITU COKING OF HEAVY PITCH AND OTHER FEEDSTOCKS WITH HIGH FOULING TENDENCY

Title (de)

IN-SITU-VERKOKUNG VON SCHWERPECH UND ANDEREN ROHSTOFFEN MIT HOHER VERSCHMUTZUNGSNEIGUNG

Title (fr)

COKÉFACTION IN SITU DE BRAI LOURD ET D'AUTRES CHARGES D'ALIMENTATION AYANT UNE TENDANCE ÉLEVÉE À L'ENCRASSEMENT

Publication

EP 3765579 A4 20211117 (EN)

Application

EP 19768541 A 20190312

Priority

- US 201862642421 P 20180313
- US 2019021867 W 20190312

Abstract (en)

[origin: US2019284482A1] Processes and systems for in situ heating of a heavy pitch within a coking drum are disclosed. The in situ heating may provide for processing of neat pitch, improving coking operations and increasing liquid yield.

IPC 8 full level

C10B 55/00 (2006.01); **C10B 57/04** (2006.01); **C10B 57/16** (2006.01); **C10G 9/00** (2006.01)

CPC (source: EP KR US)

C10B 55/00 (2013.01 - EP KR); **C10B 57/045** (2013.01 - EP); **C10B 57/16** (2013.01 - KR); **C10C 3/002** (2013.01 - KR); **C10G 9/005** (2013.01 - EP US); **C10G 9/36** (2013.01 - US); **C10G 51/023** (2013.01 - US); **C10G 2300/1077** (2013.01 - US); **C10G 2300/206** (2013.01 - US); **C10G 2300/4006** (2013.01 - US); **C10G 2300/4037** (2013.01 - US); **C10G 2300/708** (2013.01 - US); **C10G 2300/807** (2013.01 - US)

Citation (search report)

- [X] US 4983272 A 19910108 - STAVROPOULOS NAPOLEON [US]
- [X] US 5316655 A 19940531 - PASPEK STEPHEN C [US], et al
- [A] US 4797197 A 19890110 - MALLARI RENATO M [US]
- See references of WO 2019178109A1

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

DOCDB simple family (publication)

US 2019284482 A1 20190919; BR 112020018660 A2 20201229; CA 3093795 A1 20190919; CA 3093795 C 20230404; CN 111989386 A 20201124; CO 2020011853 A2 20201020; EC SP20062702 A 20210129; EP 3765579 A1 20210120; EP 3765579 A4 20211117; KR 102455669 B1 20221017; KR 20200123476 A 20201029; MX 2020009467 A 20201210; MY 196702 A 20230430; RU 2020133376 A 20220413; RU 2020133376 A3 20220413; SG 11202008766T A 20201029; WO 2019178109 A1 20190919

DOCDB simple family (application)

US 201916351972 A 20190313; BR 112020018660 A 20190312; CA 3093795 A 20190312; CN 201980018729 A 20190312; CO 2020011853 A 20200924; EC DI202062702 A 20201005; EP 19768541 A 20190312; KR 20207028503 A 20190312; MX 2020009467 A 20190312; MY PI2020004731 A 20190312; RU 2020133376 A 20190312; SG 11202008766T A 20190312; US 2019021867 W 20190312