

Title (en)

APPARATUSES AND METHODS FOR HYDROTREATING COKER KEROSENE

Title (de)

VORRICHTUNGEN UND VERFAHREN ZUR HYDRODESULFURIERUNG VON VERKOKUNGSKEROSIN

Title (fr)

APPAREILS ET PROCÉDÉS POUR L'HYDROTRAITEMENT DE KÉROSÈNE D'UNITÉ DE COKÉFACTION

Publication

**EP 3068847 A4 20170621 (EN)**

Application

**EP 14861417 A 20141023**

Priority

- US 201314080269 A 20131114
- US 2014061862 W 20141023

Abstract (en)

[origin: US2015129461A1] Embodiments of apparatuses and methods for hydrotreating coker kerosene or other thermally or catalytically cracked hydrocarbon stream are provided. In one example, a method comprises splitting a feed comprising coker kerosene into first and second feed streams. The first feed stream is heated to form a heated first feed stream. The second feed stream is partially heated to form a partially heated second feed stream. The heated first feed stream is contacted with a first hydrotreating catalyst to form a first hydrotreated intermediate stream. The first hydrotreated intermediate stream is combined with the partially heated second feed stream to form a partially quenched first hydrotreated intermediate combined stream. The partially quenched first hydrotreated intermediate combined stream is contacted with a second hydrotreating catalyst to further hydrotreat the partially quenched first hydrotreated intermediate combined stream.

IPC 8 full level

**C10G 11/00** (2006.01)

CPC (source: EP US)

**C10G 65/04** (2013.01 - EP US); **C10G 65/16** (2013.01 - EP US); **C10G 69/04** (2013.01 - EP US); **C10G 69/06** (2013.01 - EP US); **C10G 2300/201** (2013.01 - EP US)

Citation (search report)

- [X] US 6299759 B1 20011009 - BRADWAY ROBERT A [US], et al
- [X] US 2012255885 A1 20121011 - SECHRIST PAUL A [US], et al
- [X] US 2009321319 A1 20091231 - KOKAYEFF PETER [US], et al
- [A] US 2012273394 A1 20121101 - BANERJEE SOUMENDRA [IN], et al
- See references of WO 2015073179A1

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 2015129461 A1 20150514**; CN 105705614 A 20160622; CN 105705614 B 20180911; EP 3068847 A1 20160921; EP 3068847 A4 20170621; WO 2015073179 A1 20150521

DOCDB simple family (application)

**US 201314080269 A 20131114**; CN 201480060579 A 20141023; EP 14861417 A 20141023; US 2014061862 W 20141023