

Title (en)

METHODS AND APPARATUSES FOR CO-PROCESSING PYROLYSIS OIL

Title (de)

VERFAHREN UND VORRICHTUNGEN ZUR CO-VERARBEITUNG VON PYROLYSEÖL

Title (fr)

PROCÉDÉS ET APPAREILS DE TRAITEMENT COMBINÉ D'UNE HUILE DE PYROLYSE

Publication

**EP 3234073 A2 20171025 (EN)**

Application

**EP 15870701 A 20151208**

Priority

- US 201414570978 A 20141215
- US 2015064425 W 20151208

Abstract (en)

[origin: US2016168481A1] Methods for co-processing pyrolysis oil streams and fuel processing apparatuses are provided. In one example, a method for co-processing a pyrolysis oil stream and a hydrocarbon stream is provided. The method includes mixing the pyrolysis oil stream and the hydrocarbon stream with a surfactant to form an emulsion. The method introduces the emulsion to a reaction zone in an fluid catalytic cracking (FCC) unit. The method includes contacting the emulsion with a catalyst in the reaction zone to form an FCC product stream.

IPC 8 full level

**B01F 3/08** (2006.01); **C10G 11/14** (2006.01); **C10G 33/04** (2006.01)

CPC (source: EP US)

**C10G 3/42** (2013.01 - EP US); **C10G 11/18** (2013.01 - EP US); **C10G 33/04** (2013.01 - EP US); **C10G 2300/1055** (2013.01 - EP US); **Y02P 30/20** (2015.11 - EP US)

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)

**US 2016168481 A1 20160616**; EP 3234073 A2 20171025; EP 3234073 A4 20180718; WO 2016100003 A2 20160623; WO 2016100003 A3 20160811

DOCDB simple family (application)

**US 201414570978 A 20141215**; EP 15870701 A 20151208; US 2015064425 W 20151208