

Title (en)

HEAT RECOVERY FROM A HIGH PRESSURE STREAM

Title (de)

WÄRMERÜCKGEWINNUNG AUS EINEM HOCHDRUCKSTROM

Title (fr)

RÉCUPÉRATION DE CHALEUR À PARTIR D'UN FLUX HAUTE PRESSION

Publication

EP 3044291 A1 20160720 (EN)

Application

EP 14844081 A 20140506

Priority

- US 201314026470 A 20130913
- US 2014036937 W 20140506

Abstract (en)

[origin: WO2015038199A1] A process for recovering heat from a high pressure stream during hydroprocessing, where one embodiment of the process includes serially introducing a high pressure stream from a hot separator into a first steam generator and a second steam generator; using the first steam generator to generate a medium pressure stream of steam, and then using the medium pressure stream as stripping steam. The process also includes using the second steam generator to generate a low pressure stream of steam, and then using the low pressure stream as stripping steam.

IPC 8 full level

C10G 45/00 (2006.01); **C10G 47/00** (2006.01); **C10G 49/00** (2006.01); **C10G 49/22** (2006.01); **C10G 71/00** (2006.01); **F22B 1/08** (2006.01); **F22B 33/02** (2006.01)

CPC (source: EP RU US)

C10G 45/00 (2013.01 - RU); **C10G 49/00** (2013.01 - EP RU US); **C10G 49/22** (2013.01 - EP US); **F22B 1/08** (2013.01 - EP RU US); **F22B 33/02** (2013.01 - EP RU 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)

WO 2015038199 A1 20150319; CN 105612243 A 20160525; EP 3044291 A1 20160720; EP 3044291 A4 20170510; EP 3044291 B1 20211020; RU 2016113251 A 20171011; RU 2638579 C2 20171215; US 2015075450 A1 20150319

DOCDB simple family (application)

US 2014036937 W 20140506; CN 201480055082 A 20140506; EP 14844081 A 20140506; RU 2016113251 A 20140506; US 201314026470 A 20130913