

Title (en)
PROCESS AND APPARATUS FOR HYDROPROCESSING TWO STREAMS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR WASSERSTOFFBEHANDLUNG ZWEIER FLUIDSTRÖME

Title (fr)
PROCÉDÉ ET APPAREIL D'HYDROTRAITEMENT DE DEUX FLUX

Publication
EP 2691495 A4 20141112 (EN)

Application
EP 12764234 A 20120316

Priority

- US 201113076647 A 20110331
- US 201113076658 A 20110331
- US 201113076670 A 20110331
- US 201113076680 A 20110331
- US 2012029380 W 20120316

Abstract (en)
[origin: WO2012134836A2] A process and apparatus are disclosed for hydroprocessing two hydrocarbon streams at two different pressures. A hydrogen stream is compressed and split. A first split compressed stream is further compressed to feed a first hydroprocessing unit that requires higher pressure for operation. A second split compressed stream is fed to a second hydroprocessing unit that requires lower pressure. Recycle hydrogen from the second hydroprocessing unit is recycled back to the compression section.

IPC 8 full level
C10G 65/02 (2006.01); **C10G 65/12** (2006.01); **C10G 65/14** (2006.01); **C10L 1/08** (2006.01)

CPC (source: EP KR)
C10G 65/02 (2013.01 - KR); **C10G 65/12** (2013.01 - EP); **C10G 65/14** (2013.01 - EP); **C10L 1/08** (2013.01 - EP KR);
C10G 2300/202 (2013.01 - EP); **C10G 2300/4012** (2013.01 - EP); **C10G 2300/4081** (2013.01 - EP); **C10G 2300/42** (2013.01 - EP);
C10G 2400/04 (2013.01 - EP)

Citation (search report)

- [X] EP 1319701 A1 20030618 - CHEVRON USA INC [US]
- [XI] US 2008093262 A1 20080424 - GRAGNANI ANDREA [FR], et al
- See references of WO 2012134836A2

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)
WO 2012134836 A2 20121004; **WO 2012134836 A3 20121227**; CN 103443250 A 20131211; CN 103443250 B 20150902;
EP 2691495 A2 20140205; EP 2691495 A4 20141112; KR 20130124545 A 20131114; RU 2013133898 A 20150127; RU 2540081 C1 20150127

DOCDB simple family (application)
US 2012029380 W 20120316; CN 201280015276 A 20120316; EP 12764234 A 20120316; KR 20137021589 A 20120316;
RU 2013133898 A 20120316