

Title (en)

REACTOR COMPRISING A VERTICALLY MOVABLE GAS LOCK

Title (de)

REAKTOR MIT VERTIKAL BEWEGLICHER GASSPERRE

Title (fr)

RÉACTEUR ÉQUIPÉ D'UN ÉLÉMENT ANTIGAZ À DÉPLACEMENT VERTICAL

Publication

**EP 3145630 A1 20170329 (DE)**

Application

**EP 15724580 A 20150515**

Priority

- DE 102014209636 A 20140521
- EP 2015060748 W 20150515

Abstract (en)

[origin: WO2015177050A1] The invention relates to a reactor for catalytically converting a gas mixture, said reactor comprising a catalyst bed, the top face of which supports a vertically movable gas lock which is lowered when the catalyst bed contracts and which preferably prevents the gas mixture from escaping from the catalyst bed via the top face thereof.

IPC 8 full level

**B01J 8/00** (2006.01); **B01J 8/02** (2006.01); **B01J 8/04** (2006.01); **C01C 1/04** (2006.01)

CPC (source: EP US)

**B01J 8/008** (2013.01 - EP US); **B01J 8/0214** (2013.01 - EP US); **B01J 8/0415** (2013.01 - EP US); **B01J 8/0419** (2013.01 - EP US); **C01C 1/0417** (2013.01 - EP US); **C01C 1/0447** (2013.01 - US); **B01J 2208/00194** (2013.01 - EP US); **B01J 2208/00707** (2013.01 - EP US); **B01J 2208/00884** (2013.01 - EP US); **Y02P 20/52** (2015.11 - EP US)

Citation (search report)

See references of WO 2015177050A1

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)

**DE 102014209636 A1 20151126**; EP 3145630 A1 20170329; US 2017073242 A1 20170316; WO 2015177050 A1 20151126

DOCDB simple family (application)

**DE 102014209636 A 20140521**; EP 15724580 A 20150515; EP 2015060748 W 20150515; US 201515311141 A 20150515