

Title (en)

HYDROCARBON ISOMERISATION WITH HYDROGEN HALOGENIDE RESITUATION

Title (de)

ISOMERISIERUNGSVERFAHREN VON KOHLENWASSERSTOFFEN UNTER RÜCKLEITUNG VON WASSERSTOFFHALOGENIDEN

Title (fr)

PROCÉDÉ D'ISOMÉRISEMENT D'HYDROCARBURES AVEC RECYCLAGE D'HALOGENURES D'HYDROGÈNE

Publication

EP 2872470 A1 20150520 (DE)

Application

EP 13734778 A 20130709

Priority

- EP 12175848 A 20120711
- EP 2013064426 W 20130709
- EP 13734778 A 20130709

Abstract (en)

[origin: WO2014009331A1] The invention relates to a method for the isomerisation of at least one hydrocarbon in the presence of an acidic ionic liquid and at least one hydrogen halogenide (HX) in a device (V1). The hydrogen halogenide (HX) is separated in a gaseous form from the isomerisation product in a device (V2) and is reintroduced at least partially into the device (V1).

IPC 8 full level

C07C 5/29 (2006.01)

CPC (source: EP)

B01D 3/06 (2013.01); **B01D 17/0208** (2013.01); **C07C 5/29** (2013.01); **C07C 7/00** (2013.01); **C07C 7/005** (2013.01); **C07C 2527/125** (2013.01); **C07C 2531/02** (2013.01); **C07C 2601/14** (2017.04)

C-Set (source: EP)

1. **C07C 5/29 + C07C 13/18**
2. **C07C 7/00 + C07C 13/18**
3. **C07C 7/005 + C07C 13/18**

Citation (search report)

See references of WO 2014009331A1

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 2014009331 A1 20140116; CN 104470876 A 20150325; EP 2872470 A1 20150520

DOCDB simple family (application)

EP 2013064426 W 20130709; CN 201380036675 A 20130709; EP 13734778 A 20130709