

Title (en)

AROMATIZATION OF A METHANE-CONTAINING GAS STREAM

Title (de)

AROMATISIERUNG EINES METHANHALTIGEN GASSTROMES

Title (fr)

PROCÉDÉ POUR L'AROMATISATION D'UN COURANT DE GAZ CONTENANT DU MÉTHANE

Publication

EP 2841403 A4 20150527 (EN)

Application

EP 13780766 A 20130423

Priority

- US 201261636915 P 20120423
- US 2013037690 W 20130423

Abstract (en)

[origin: WO2013163116A1] A process for the aromatization of a methane-containing gas stream comprising: contacting the methane-containing gas stream in a reaction zone with a moving bed comprising an aromatization catalyst and a hydrogen acceptor under methane-containing gas aromatization conditions to produce a product stream comprising aromatics and hydrogen wherein at least a portion of the hydrogen is bound by the hydrogen acceptor in the reaction zone and removed from the product and the reaction zone.

IPC 8 full level

C07C 2/00 (2006.01); **C07C 2/76** (2006.01); **C07C 15/00** (2006.01)

CPC (source: EP)

C07C 2/76 (2013.01); **C07C 2529/48** (2013.01)

Citation (search report)

- [A] US 2012004482 A1 20120105 - TSOU JOANA COELHO [DE], et al
- [A] WO 2006087971 A1 20060824 - MITSUBISHI CHEM CORP [JP], et al
- [A] US 2011040135 A1 20110217 - IACCINO LARRY L [US], et al
- [A] US 4675465 A 19870623 - FANELLI ANTHONY J [US], et al
- [A] O. V. CHETINA ET AL: "The effect of an intermetallic hydrogen acceptor on catalytic aromatization of propane", RUSSIAN CHEMICAL BULLETIN, vol. 42, no. 1, 1 January 1993 (1993-01-01), pages 53 - 55, XP055163247, ISSN: 1066-5285, DOI: 10.1007/BF00699973
- See references of WO 2013163116A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013163116 A1 20131031; AR 090778 A1 20141203; BR 112014025861 A2 20170620; BR 112014025861 A8 20170725; CA 2870688 A1 20131031; CN 104245638 A 20141224; EP 2841403 A1 20150304; EP 2841403 A4 20150527

DOCDB simple family (application)

US 2013037690 W 20130423; AR P130101323 A 20130422; BR 112014025861 A 20130423; CA 2870688 A 20130423; CN 201380020147 A 20130423; EP 13780766 A 20130423