

Title (en)

METHANE CONVERSION APPARATUS AND PROCESS USING A SUPERSONIC FLOW REACTOR

Title (de)

METHANUMWANDLUNGSVORRICHTUNG UND -VERFAHREN UNTER VERWENDUNG EINEM ULTRASCHALLSTRÖMUNGSREAKTOR

Title (fr)

APPAREIL DE CONVERSION DU MÉTHANE ET PROCÉDÉ QUI UTILISE UN RÉACTEUR À ÉCOULEMENT SUPERSONIQUE

Publication

EP 2888038 A4 20160420 (EN)

Application

EP 13831716 A 20130819

Priority

- US 201261691303 P 20120821
- US 201313964396 A 20130812
- US 2013055529 W 20130819

Abstract (en)

[origin: US2014056766A1] Apparatus and methods are provided for converting methane in a feed stream to acetylene. A hydrocarbon stream is introduced into a supersonic reactor and pyrolyzed to convert at least a portion of the methane to acetylene. The reactor effluent stream may be treated to convert acetylene to another hydrocarbon process.

IPC 8 full level

B01J 19/10 (2006.01); **C07C 11/24** (2006.01); **F23M 5/00** (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [X] US 4136015 A 19790123 - KAMM GERARD R, et al
- See references of WO 2014031516A1

Cited by

EP3013469A4; WO2014210297A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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