

Title (en)

METHANE CONVERSION APPARATUS AND PROCESS USING A SUPERSONIC FLOW REACTOR

Title (de)

METHANUMWANDLUNGSVORRICHTUNG UND -VERFAHREN UNTER VERWENDUNG EINES ULTRASCHALLSTRÖMUNGSREAKTORS

Title (fr)

APPAREIL DE CONVERSION DE MÉTHANE ET PROCÉDÉ UTILISANT UN RÉACTEUR À FLUX SUPERSONIQUE

Publication

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Application

EP 18821165 A 20180619

Priority

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- US 2018038171 W 20180619

Abstract (en)

[origin: WO2018236790A1] 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 3/00 (2006.01); **B01J 19/02** (2006.01); **B01J 19/24** (2006.01); **B01J 19/26** (2006.01); **C07C 2/76** (2006.01); **C07C 11/24** (2006.01)

CPC (source: EP RU)

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