

Title (en)

BURNERLESS AUTOTHERMAL REFORMER MIXER

Title (de)

MISCHVORRICHTUNG FÜR BRENNERLOSEN, AUTOTHERMEN REFORMER

Title (fr)

MELANGEUR DE REFORMEUR AUTOTHERMIQUE SANS BRULEUR

Publication

**EP 1835988 A2 20070926 (EN)**

Application

**EP 05853797 A 20051212**

Priority

- US 2005044968 W 20051212
- US 63579204 P 20041214

Abstract (en)

[origin: WO2006065766A2] A mixing device for mixing a light hydrocarbon feed, a steam feed, and an oxygen-containing gas stream to form a feed mixture is disclosed. The autoignition of the feed mixture is prevented prior to conversion of the feed mixture to synthesis gas by subsequent contact with an active partial oxidation / reforming catalyst.

IPC 8 full level

**B01J 8/00** (2006.01); **B01F 23/00** (2022.01); **B01J 8/04** (2006.01); **C07C 27/00** (2006.01)

CPC (source: EP)

**B01F 25/313** (2022.01); **B01F 25/31331** (2022.01); **B01J 4/002** (2013.01); **B01J 8/0453** (2013.01); **B01J 8/0492** (2013.01); **C01B 3/382** (2013.01); **C01B 2203/0244** (2013.01); **C01B 2203/1282** (2013.01)

Citation (search report)

See references of WO 2006065766A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**US 2005044968 W 20051212**; AU 2005316638 A 20051212; CN 200580047193 A 20051212; EP 05853797 A 20051212; MY PI20055849 A 20051213; PE 2005001455 A 20051214