

Title (en)

Device to generate an air-hydrocarbon mixture

Title (de)

Vorrichtung zur Erzeugung eines Luft/Kohlenwasserstoff-Gemischs

Title (fr)

Dispositif pour la formation d'un mélange air-hydrocarbures

Publication

**EP 1555482 A3 20081029 (DE)**

Application

**EP 05000631 A 20050113**

Priority

DE 102004002246 A 20040115

Abstract (en)

[origin: EP1555482A2] The device has an atomizing arrangement (10) with a hydrocarbon feed (14) and an air feed (16,18,20) for producing the air/hydrocarbon mixture by atomizing a liquid hydrocarbon. The device has a heating arrangement (37) for heating the hydrocarbon prior to atomization. The hydrocarbon feed has at least one tubular feed region heatable by the heating arrangement. Independent claims are also included for the following: (A) a heater with an inventive device (B) and a reformer with an inventive device.

IPC 8 full level

**F23D 11/24** (2006.01); **F23C 7/00** (2006.01); **F23D 11/04** (2006.01); **F23D 11/10** (2006.01); **F23D 11/36** (2006.01); **F23D 11/38** (2006.01); **F23D 11/40** (2006.01); **F23D 11/42** (2006.01); **F23D 11/44** (2006.01); **F23D 14/62** (2006.01)

CPC (source: EP US)

**F23C 7/002** (2013.01 - EP US); **F23D 11/105** (2013.01 - EP US); **F23D 11/42** (2013.01 - EP US); **F23D 11/448** (2013.01 - EP US); **F23D 2900/11101** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1555482 A2 20050720; EP 1555482 A3 20081029**; DE 102004002246 A1 20050811; US 2005158683 A1 20050721

DOCDB simple family (application)

**EP 05000631 A 20050113**; DE 102004002246 A 20040115; US 3454405 A 20050113