

Title (en)

EXHAUST LINE FITTED WITH A FUEL INJECTOR AND MEANS FOR HOMOGENIZING BURNT GASES

Title (de)

Abgasleitung mit einem Kraftstoffeinspritzventil und Mitteln zur Homogenisierung von verbrannten Gasen

Title (fr)

LIGNE D'ECHAPPEMENT MUNIE D'UN INJECTEUR DE CARBURANT ET DE MOYENS D'HOMOGENEISATION DES GAZ BRULES

Publication

**EP 2076659 B1 20100428 (FR)**

Application

**EP 07823871 A 20070927**

Priority

- FR 2007052026 W 20070927
- FR 0608834 A 20061009

Abstract (en)

[origin: WO2008043932A1] The invention relates to an exhaust line (40) of an internal combustion engine comprising an exhaust duct (43) for the burnt gases and a fuel injector (53) giving into said exhaust duct. According to the invention, a plurality of flat vanes (101, 102, 103, 104) are provided in the exhaust duct (43) so that one face of each vane (101, 102, 103, 104) receives a portion of the fuel (54) jet from said fuel injector (53).

IPC 8 full level

**F01N 3/025** (2006.01); **B01F 3/04** (2006.01); **F01N 13/08** (2010.01)

CPC (source: EP US)

**B01F 23/2132** (2022.01 - EP); **B01F 25/3141** (2022.01 - EP); **B01F 25/4316** (2022.01 - EP); **B01F 25/43161** (2022.01 - EP US); **F01N 3/0253** (2013.01 - EP); **F01N 3/035** (2013.01 - EP); **F01N 3/103** (2013.01 - EP); **F01N 13/0097** (2014.06 - EP); **F01N 13/08** (2013.01 - EP); **F01N 3/2892** (2013.01 - EP); **F01N 2240/20** (2013.01 - EP); **F01N 2260/18** (2013.01 - EP); **F01N 2510/06** (2013.01 - EP); **F01N 2610/03** (2013.01 - EP); **F01N 2610/102** (2013.01 - EP)

Cited by

EP2912287B1

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 LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2906838 A1 20080411**; **FR 2906838 B1 20130329**; AT E466174 T1 20100515; DE 602007006222 D1 20100610; EP 2076659 A1 20090708; EP 2076659 B1 20100428; WO 2008043932 A1 20080417

DOCDB simple family (application)

**FR 0608834 A 20061009**; AT 07823871 T 20070927; DE 602007006222 T 20070927; EP 07823871 A 20070927; FR 2007052026 W 20070927