

Title (en)

GAS/GAS MIXER FOR INTRODUCING GAS INTO THE WASTE GAS FLOW OF A COMBUSTION ENGINE

Title (de)

GAS/GAS-MISCHER ZUM EINLEITEN VON GAS IN DEN ABGASSTROM EINER BRENNKRAFTMASCHINE

Title (fr)

MÉLANGEUR GAZ/GAZ PERMETTANT D'INTRODUIRE DU GAZ AU FLUX DE GAZ D'ÉCHAPPEMENT D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 3851646 B1 20230222 (DE)**

Application

**EP 21150148 A 20210105**

Priority

DE 102020101134 A 20200120

Abstract (en)

[origin: CN113137299A] A gas/gas mixer for introducing gas into an exhaust gas stream of an internal combustion engine. The gas/gas mixer includes an exhaust gas flow duct (18) in an exhaust gas carrying element (14), through which exhaust gas (A) can flow. A mixer body (20) is arranged in the exhaust gas carrying element (14) with a plurality of exhaust gas flow openings (44), through which exhaust gas (A) flowing in the exhaust gas flow duct (18) can flow. A gas feed volume (38), through which gas (G) to be introduced into the exhaust gas stream (A) can flow, is formed in the mixer body (20). The gas feed volume (38) is open towards the exhaust gas flow duct (18) via a plurality of gas release openings (56).

IPC 8 full level

**F01N 3/28** (2006.01)

CPC (source: CN EP US)

**F01N 3/206** (2013.01 - US); **F01N 3/2892** (2013.01 - EP US); **F01N 3/30** (2013.01 - CN US); **F01N 2240/20** (2013.01 - EP US); **F01N 2610/1453** (2013.01 - US)

Citation (examination)

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DOCDB simple family (publication)

**EP 3851646 A1 20210721**; **EP 3851646 B1 20230222**; CN 113137299 A 20210720; CN 113137299 B 20230217; DE 102020101134 A1 20210722; US 11384671 B2 20220712; US 2021222605 A1 20210722

DOCDB simple family (application)

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