

Title (en)

MIXTURE FORMATION DEVICE FOR A GAS ENGINE AND GAS ENGINE

Title (de)

GEMISCHBILDUNGSVORRICHTUNG FÜR EINEN GASMOTOR UND GASMOTOR

Title (fr)

DISPOSITIF DE FORMATION DE MÉLANGE POUR UN MOTEUR À GAZ ET MOTEUR À GAZ

Publication

**EP 3551871 A1 20191016 (DE)**

Application

**EP 17804562 A 20171128**

Priority

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- EP 2017080634 W 20171128

Abstract (en)

[origin: WO2018104107A1] The invention relates to a mixture formation device for an internal combustion engine operated with a burnable gas, preferably compressed natural gas CNG. The mixture formation device comprises a combination of a quantity regulator, a gas mixer, a flow-guiding element for pressure recovery, and a connection possibility for exhaust gas recirculation of the internal combustion engine. The mixture formation device according to the invention can empty a gas tank to a comparatively low pressure of approx. 2 bar, an excellent mixture formation being achieved over the entire range of speed and load range of the internal combustion engine. According to the invention, such a mixture formation device can reduce production costs as well as space requirements compared to known solutions. The invention also relates to an internal combustion engine operated with a burnable gas, particularly compressed natural gas (CNG), comprising such a mixture formation device in the intake tract thereof.

IPC 8 full level

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Citation (search report)

See references of WO 2018104107A1

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