

Title (en)

FUEL INJECTION DEVICE, ENGINE AND ASSOCIATED METHOD

Title (de)

KRAFTSTOFFEINSPRITZVORRICHTUNG, MOTOR UND ZUGEHÖRIGES VERFAHREN

Title (fr)

DISPOSITIF D'INJECTION DE CARBURANT, MOTEUR ET PROCEDE ASSOCIE

Publication

**EP 4100636 A1 20221214 (FR)**

Application

**EP 21704730 A 20210205**

Priority

- FR 2001233 A 20200207
- EP 2021052791 W 20210205

Abstract (en)

[origin: WO2021156434A1] Injection device (2) for a heat engine (6), comprising: - a flowmeter or a pressure or speed sensor (3) designed to be positioned in or in communication with an intake manifold (4) and designed and/or programmed to provide a measurement (16) which depends on an air flow circulating in the intake manifold, - a control unit (5) designed and/or programmed to control a fuel injection, characterised in that the control unit is designed and/or programmed to receive and analyse the measurement from the flowmeter, or from the pressure sensor or from the speed sensor, and, depending on the measurement, compute a command (17) designed to control a fuel injector (7) so as to control the injection of an amount of fuel which depends on the measurement.

IPC 8 full level

**F02D 41/18** (2006.01); **F02D 41/34** (2006.01); **F02D 41/40** (2006.01)

CPC (source: EP)

**F02D 41/182** (2013.01); **F02D 41/34** (2013.01); **F02D 41/345** (2013.01); **F02D 41/40** (2013.01); **F02D 41/401** (2013.01); **F02D 2200/021** (2013.01); **F02D 2200/0406** (2013.01); **F02D 2200/0414** (2013.01); **F02D 2200/703** (2013.01); **Y02T 10/40** (2013.01)

Citation (search report)

See references of WO 2021156434A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2021156434 A1 20210812**; EP 4100636 A1 20221214; FR 3107090 A1 20210813; FR 3107090 B1 20231103

DOCDB simple family (application)

**EP 2021052791 W 20210205**; EP 21704730 A 20210205; FR 2001233 A 20200207