

Title (en)

DEVICE FOR INJECTING FUEL INTO THE COMBUSTION CHAMBER OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUM EINSPRITZEN VON KRAFTSTOFF IN DEN BRENNRAUM EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF D'INJECTION DE CARBURANT DANS UNE CHAMBRE DE COMBUSTION D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2027385 A1 20090225 (DE)

Application

EP 07718497 A 20070613

Priority

- AT 2007000286 W 20070613
- AT 10082006 A 20060613
- AT 652007 A 20070112

Abstract (en)

[origin: US7866300B2] In a device for the injection of fuel into the combustion chamber of an internal combustion engine, including at least one high-pressure accumulator (1), an injector (4), at least one high-pressure line (7) connecting the high-pressure accumulator (1) with the injector (4), and a resonator line (16) arranged in parallel with the high-pressure line (7) between the injector (4) and the high-pressure accumulator (1) and including a resonator throttle (17) on the side of the high-pressure accumulator, the resonator line (16) is formed by an insert piece (18) pressed into the bore of the high-pressure line and is, in particular, formed within the same.

IPC 8 full level

F02M 55/02 (2006.01); **F02M 55/04** (2006.01)

CPC (source: EP US)

F02M 47/027 (2013.01 - EP US); **F02M 2200/28** (2013.01 - EP US); **F02M 2200/315** (2013.01 - EP US); **F02M 2547/001** (2013.01 - EP US)

Cited by

DE102021200154A1; WO2022148679A1

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2007143768 A1 20071221; AT 503660 A4 20071215; AT 503660 B1 20071215; AT E462884 T1 20100415; DE 502007003315 D1 20100512; EP 2027385 A1 20090225; EP 2027385 B1 20100331; JP 2009540196 A 20091119; JP 4884529 B2 20120229; US 2010263626 A1 20101021; US 7866300 B2 20110111

DOCDB simple family (application)

AT 2007000286 W 20070613; AT 07718497 T 20070613; AT 652007 A 20070112; DE 502007003315 T 20070613; EP 07718497 A 20070613; JP 2009514590 A 20070613; US 30840307 A 20070613