

Title (en)

METHOD AND DEVICE FOR DETERMINING THE TEMPERATURE OF THE FUEL IN A COMMON RAIL INJECTION SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TEMPERATURBESTIMMUNG DES KRAFTSTOFFS IN EINEM SPEICHER-EINSPRITZSYSTEM

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER LA TEMPERATURE DU CARBURANT QUI SE TROUVE DANS UN SYSTEME D'INJECTION A RESERVOIR

Publication

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Application

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Abstract (en)

[origin: WO2004063547A1] Common rail injection systems (1) for motor vehicles present the problem that, for a defined quantity of fuel to be injected, not only the pressure, but also the temperature of the fuel must be taken into account. The fuel temperature is difficult to detect using an installed temperature sensor. The invention relates to a method and a device for determining the temperature (T) from the pressure (P) measured by the pressure sensor (4) and the sound velocity (V) of a pressure wave created during the injection.

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