

Title (en)
FUEL INJECTING DEVICE AND METHOD FOR CONTROLLING SAID DEVICE

Title (de)
KRAFTSTOFFEINSPRITZVORRICHTUNG UND VERFAHREN ZUR STEUERUNG DIESER VORRICHTUNG

Title (fr)
DISPOSITIF D'INJECTION DE CARBURANT ET PROCEDE DE COMMANDE D'UN TEL DISPOSITIF

Publication
EP 1913253 B1 20090311 (FR)

Application
EP 06794493 A 20060720

Priority
• FR 2006050740 W 20060720
• FR 0508182 A 20050801

Abstract (en)
[origin: FR2889257A1] The device has a needle (2) whose end has a head (20) forming valve on a seat (14) supported by an end of a cylindrical body. An actuator (3), made of an electroactive material, has a rod (30) made of a material e.g. magneto-resistive material, and displaces the head to open the valve. A counterweight (34) extends the rod to the rear of the actuator. The needle extends coaxially to the body in the form of a rigid bar and axially resonates when it is subjected to axial pulses at a determined excitation frequency, ranging between 10 to 30 kilo hertz, by the actuator. An independent claim is also included for a method for controlling a fuel injecting device.

IPC 8 full level
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