

Title (en)

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

Publication

EP 0204722 B1 19890726 (DE)

Application

EP 85905504 A 19851025

Priority

DE 3441140 A 19841110

Abstract (en)

[origin: WO8602979A1] The device comprises a tensioned wire (16, 64) which elastically closes a valve (18) which opens outwardly. The prestress tension of the wire (16, 64) depends on the current of an electric circuit (52) which flows across an electric resistive element (16, 82) incorporated in the fuel injection nozzle. The resistive element may be comprised of the wire (16) itself or of the coil (82) of an electromagnet (70) of which the armature (68) is coupled with the tension wire (64). Thus, the opening pressure (p_ö) of the fuel injection nozzle and its operation may be easily controlled and follow a predetermined law.

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