

Title (en)

FUEL INJECTION DEVICE FOR INTERNAL COMBUSTION ENGINES

Title (de)

KRAFTSTOFFEINSPRITZVORRICHTUNG FÜR BRENNKRAFTMASCHINEN

Title (fr)

SYSTEME D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO0216760A1] The invention relates to a fuel injection device for internal combustion engines, comprising two control valves (15, 34) controlling the injection process whose valve bodies comprise respective magnetically attractable armatures (41, 45). The valve bodies have a common magnet coil (40) for the armatures (41, 45). At a first current level of the common magnet coil (40) only one armature (41) and at a higher second current level both armatures (41, 45) are attracted against the effect of a closing force. The inventive device makes it thereby possible to switch two valve functions via two different inducer currents using only one magnet drive.

IPC 1-7

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IPC 8 full level

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