

Title (en)
ELECTROMAGNETICALLY OPERABLE FUEL INJECTION VALVE

Title (de)
ELEKTROMAGNETISCH BETÄTIGBARES KRAFTSTOFFEINSPRITZVENTIL

Title (fr)
VANNE ELECTRO-MAGNETIQUE POUR INJECTION DE CARBURANT

Publication
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Application
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Abstract (en)
[origin: US5685494A] PCT No. PCT/DE94/01359 Sec. 371 Date Jul. 24, 1995 Sec. 102(e) Date Jul. 24, 1995 PCT Filed Nov. 18, 1994 PCT Pub. No. WO95/14858 PCT Pub. Date Jun. 1, 1995In an electromagnetically actuatable fuel injection valve for fuel injection systems of internal combustion engines, including a of valve housing, magnetic coil and a valve closing element which, when the magnetic coil is excited, lifts off from a valve seat and releases fuel, to arrange in the outlet area of the fuel includes at least one diaphragm which is capable of oscillation and forms with other parts of the valve at least one (annular) metering gap and which can be excited solely by the pressure of the fed-in fuel to experience resonance oscillations so that a high-frequency modulation of the fuel lamella emitted from the (annular) metering gap, and a spray angle, is produced.

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