

Title (en)
INJECTION NOZZLE FOR INTERNAL COMBUSTION ENGINES

Title (de)
EINSPRITZDÜSE FÜR BRENNKRAFTMASCHINEN

Title (fr)
GICLEUR D'INJECTION POUR MOTEURS A COMBUSTION INTERNE

Publication
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Application
EP 05772740 A 20050818

Priority

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Abstract (en)
[origin: WO2006021014A1] The invention relates to an injection nozzle for injecting fuel into the combustion chamber of an internal combustion engine, said nozzle comprising a nozzle needle (7) that can be axially displaced in an injector nozzle (5) and plunges into a control chamber (12) that can be fed with pressurised fuel, the pressure of said fuel being controllable by means of at least one control valve (16) opening or closing a supply or discharge channel for fuel. According to the invention, channels connected to lubricant oil or motor oil lines, and through which lubricant oil or motor oil can flow, are arranged in the region of the nozzle needle (7). Channels connected to lubricant oil or motor oil lines, and through which lubricant oil or motor oil can flow, are also arranged in the region of the control valve (16) and/or an electromagnet actuating the control valve.

IPC 8 full level
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Citation (search report)
See references of WO 2006021014A1

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DE102016211477A1; DE102016206796A1; WO2017182242A1; KR20180132905A; WO2018149555A1; DE102015215943A1; WO2017029076A1; WO2018001797A1

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