

Title (en)  
INJECTION NOZZLE AND ASSOCIATED METHOD FOR THE OPERATION THEREOF

Title (de)  
EINSPRITZDÜSE UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)  
INJECTEUR ET PROCEDE ASSOCIE PERMETTANT DE FAIRE FONCTIONNER LEDIT INJECTEUR

Publication  
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Application  
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Abstract (en)  
[origin: WO2005068826A1] The invention relates to an injection nozzle (1) for an internal combustion engine comprising a first injector pin (3) for controlling first injector holes (7) and a second injector pin (4) for controlling two injector holes (8). A fuel supply line (9) is connected to a fuel supply device (10) and leads to the injector holes (7,8). A second group of pins (28) is provided with a control surface (34) which acts in the direction in which the second injector pin (4) is closed when pressure is exerted. In order to simplify control of the injector pins (3,4), a measuring valve (36) is arranged in the fuel supply line (9) with a valve body (37). A closing pressure surface (42) of the valve body (37) acts in the direction in which the valve body (37) is closed when pressure is exerted. The closing pressure chamber (43) is connected to a pressure sink (46) via a closing pressure discharge outlet (45) which can be controlled by the control valve (47). The control chamber (35) is connected to the closing pressure discharge outlet by means of a control line between the closing pressure chamber (43) and the control valve (47).

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