

Title (en)

INJECTION NOZZLE COMPRISING TWO SEPARATELY CONTROLLABLE NOZZLE NEEDLES

Title (de)

EINSPRITZDÜSE MIT ZWEI SEPARAT STEUERBAREN DÜSENNADELN

Title (fr)

INJECTEUR COMPORTANT DEUX POINTEAUX D'INJECTION POUVANT ETRE COMMANDES SEPAREMENT

Publication

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Application

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Abstract (en)

[origin: WO0242631A1] The invention relates to an injection nozzle for internal combustion engines, which comprises a first nozzle needle (7) and a second nozzle needle (27), whereby the first nozzle needle (7) and the second nozzle needle (27) can be controlled independently of one another. The second injection nozzle is opened by reducing the pressure of a hydraulic fluid inside a control space (37). As a result, the injection quantity per unit of time and the atomization of the fuel inside the combustion chamber can be influenced in broad ranges and, in addition, a rate-of-discharge curve can be formed.

IPC 8 full level

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