

Title (en)

EXTENDED PUMP-VALVE-NOZZLE UNIT HAVING HYDRAULIC-MECHANICAL TRANSLATION

Title (de)

GESTRECKTE PUMPEN-VENTIL-DÜSENEINHEIT MIT HYDRAULISCH-MECHANISCHER ÜBERSETZUNG

Title (fr)

UNITE POMPE-SOUPAPE-BUSE ALLONGEE A TRANSMISSION HYDRAULIQUE-MECANIQUE

Publication

**EP 1283955 A1 20030219 (DE)**

Application

**EP 01943011 A 20010503**

Priority

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Abstract (en)

[origin: WO0186137A1] The invention relates a fuel injection device for an internal combustion engine comprising a injection valve (14), which projects inside the combustion chamber of the internal combustion engine. Said injection valve is connected to a valve space (6.1) in which a control element (6) closes or opens admission boreholes (5, 8) for highly pressurized fuel. The control element (6) can be actuated by means of a hydraulic-mechanical translator (18, 19, 20, 21). The pump component (P), valve component (V) and nozzle component (D) of the fuel injection device (1) are arranged in a vertical configuration, with regard to the flow of fuel, in a hydraulically successive manner.

IPC 1-7

**F02M 57/02**; **F02M 59/36**; **F02M 59/46**; **F02M 55/04**

IPC 8 full level

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CPC (source: EP US)

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