

Title (en)  
FUEL INJECTOR APPARATUS

Title (de)  
BRENNSTOFFEINSPRITZEINRICHTUNG

Title (fr)  
DISPOSITIF D'INJECTION DE COMBUSTIBLE

Publication  
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Application  
**EP 10787381 A 20101130**

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Abstract (en)  
[origin: WO2011085858A1] The invention relates to a fuel injector apparatus (1), serving in particular for air-sealing, self-igniting internal combustion engines, having a high pressure input (12), a first fuel injection valve (2 to 5) and at least one other fuel injection valve (2 to 5). According to the invention, fuel can be conducted at least directly into a fuel chamber (18) of the first fuel injection valve (2 to 5) via the high pressure input (12), wherein the other fuel injection valve (2 to 5) is connected to the first fuel injection valve (2 to 5) via a line (7, 8, 9) and wherein fuel can be conducted via the lines (2 to 5) out of the fuel chamber (18) of the first fuel injection valve (2 to 5) into a fuel chamber of the other fuel injection valve (2 to 5). To damp pressure pulsations, the fuel chambers (18, 24, 25, 26) of the fuel injection valves (2 to 5) accommodate a total fuel volume which comprises a partial volume (19) for fuel injection and at least one additional partial volume (20) for enabling damping.

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