

Title (en)  
FUEL INJECTION SYSTEM

Title (de)  
BRENNSTOFFEINSPRITZVORRICHTUNG

Title (fr)  
DISPOSITIF D'INJECTION DE COMBUSTIBLE

Publication  
**EP 3147493 B1 20210929 (DE)**

Application  
**EP 16180972 A 20160725**

Priority  
DE 102015218194 A 20150922

Abstract (en)  
[origin: KR20170035335A] A fuel injecting device according to the present invention is characterized by allowing the low-noise vibration of a fuel injecting valve (1) while having the maximum allowance independence. The fuel injecting device includes at least one fuel injecting valve (1) and a reception bore (20) inside a cylinder head (9) for the fuel injecting valve (1). A sealing ring (2) is formed inside a groove of a valve housing (22) on an outer circumference of the fuel injecting valve (1) in the reception bore (20). The sealing ring is used for sealing the fuel injecting valve (1) in the reception bore (20). An outer diameter of the valve housing (22) in a section away from a combustion chamber of a groove for the sealing ring (2) is smaller than an outer diameter of the valve housing (22) in a section toward the combustion chamber of the groove for the sealing ring (2). Especially, the fuel injecting device is proper to inject fuel directly into the combustion chamber of a mixer-compressing external ignition type internal combustion engine.

IPC 8 full level  
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Cited by  
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