

Title (en)  
Fuel injection apparatus.

Title (de)  
Brennstoffeinspritzvorrichtung.

Title (fr)  
Appareil d'injection de combustible.

Publication  
**EP 0391366 B1 19931229 (DE)**

Application  
**EP 90106394 A 19900404**

Priority  
DE 3910793 A 19890404

Abstract (en)  
[origin: EP0391366A2] 1. Fuel injection device for diesel internal combustion engines with a minimum of one pump plunger 4, which is carried and forms a seal in a plunger sleeve 5 and together with the plunger sleeve 5 forms a high-pressure chamber 11, which during the downward movements of the plunger caused by fuel is connected by a control element to a low-pressure chamber 13, the high-pressure chamber 11 being flow- connected to an injection valve 49 via an injection line 48. <??>2.1 The object of the invention is to design the clearance of the fuel injection device as small as possible in order thereby to achieve high injection pressures. <??>2.2 This object is met according to the invention by a permanently open flow connection between the high-pressure chamber 11 and the injection valve 49. <IMAGE>

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IPC 8 full level  
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Cited by  
US9816473B2; WO2013092367A1

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