

Title (en)  
FUEL INJECTOR

Title (de)  
KRAFTSTOFFEINSPRITZVORRICHTUNG

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 3377754 B1 20200429 (EN)**

Application  
**EP 16794598 A 20161109**

Priority  
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• EP 2016077189 W 20161109

Abstract (en)  
[origin: WO2017084948A1] A fuel injector 10 for use in an internal combustion engine. The fuel injector 10 comprises a valve needle 14 having a needle axis L and being reciprocally movable within a bore 16 in a nozzle housing 18 towards and away from a needle seat 22 along the needle axis L, and a needle actuator 20 comprising a force applicator 32 and a force convertor 34. The force applicator 32 is configured to apply a radial force to the force convertor 34 in a direction transverse to the needle axis L, and the force convertor 34 is configured to convert the radial force to a longitudinal force substantially parallel to the needle axis L. The needle actuator 20 is configured to apply the longitudinal force to the valve needle 14, thereby to effect movement of the valve needle 14 along the needle axis L.

IPC 8 full level  
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