

Title (en)  
Fuel injector

Title (de)  
Kraftstoff-Injektor

Title (fr)  
Injecteur de carburant

Publication  
**EP 2123898 B1 20110928 (DE)**

Application  
**EP 09100198 A 20090323**

Priority  
DE 102008001913 A 20080521

Abstract (en)  
[origin: EP2123898A1] The injector has an injecting valve element controllable via a control valve (29) i.e. servo valve. The control valve has a sleeve type control valve element (28) i.e. dual-cone-control valve element, which exhibits a sealing surface at a side facing a control valve seat (35). The sealing surface is designed of a sealing edge (54) formed between high pressure sided and low pressure sided cone surfaces (55, 56), where a radial extension (R) of the cone surface (55) ranges to maximum of fifteen percentage of diameter (D1) of the sealing edge.

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 63/0015** (2013.01); **F02M 63/004** (2013.01); **F02M 63/0043** (2013.01); **F02M 63/008** (2013.01); **F02M 2547/003** (2013.01)

Cited by  
EP2541036A1; CN113464337A; EP3006723A1

Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**EP 2123898 A1 20091125; EP 2123898 B1 20110928; DE 102008001913 A1 20091126**

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**EP 09100198 A 20090323; DE 102008001913 A 20080521**