

Title (en)
Injector with a valve element which opens to the outside

Title (de)
Injektor mit nach außen öffnendem Ventilelement

Title (fr)
Injecteur doté d'un élément d'aération s'ouvrant vers l'extérieur

Publication
EP 2011995 B1 20111026 (DE)

Application
EP 08104395 A 20080613

Priority
DE 102007030711 A 20070702

Abstract (en)
[origin: EP2011995A2] The injector (1) has a relay valve (38) provided for controlling a valve element (12) opening outwards. A control chamber (11) is formed as an annular space, co-operates with the valve element, and is combinable with a low-pressure area (9) for opening the valve element. The control chamber is defined by a diameter step (57) of the valve element. Fuel e.g. diesel, flows from the control chamber into the low-pressure area via an outlet throttle (33) by an opened relay valve. The control chamber is provided with fuel which is fixed below high pressure, via an inlet throttle (28).

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

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 61/08** (2013.01); **F02M 63/0042** (2013.01); **F02M 63/0073** (2013.01); **F02M 63/0015** (2013.01); **F02M 63/0043** (2013.01); **F02M 2200/28** (2013.01); **F02M 2200/40** (2013.01)

Cited by
WO2015049210A1; EP2602476A1; EP2857670A1; CN105579698A; US10094348B2; US9970400B2; WO2013083626A1; WO2017048738A1; US11231001B2

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