

Title (en)
Common-Rail Injector

Title (de)
Common-Rail-Injektor

Title (fr)
Injecteur pour une rampe commune

Publication
EP 1624181 A1 20060208 (DE)

Application
EP 05104005 A 20050513

Priority
DE 102004037124 A 20040730

Abstract (en)
A damping piston (60) is arranged in a coupling chamber (39,41), and delimits a damping chamber. Fuel is contained under pressure in the damping chamber and can escape via a throttle channel (68) into the coupling chamber when the end of a nozzle needle (8) lying away from the combustion chamber moves towards an actuator (30).

IPC 8 full level
F02M 51/06 (2006.01); **F02M 63/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 51/0603 (2013.01); **F02M 61/167** (2013.01); **F02M 63/0225** (2013.01); **F02M 2200/304** (2013.01); **F02M 2200/703** (2013.01)

Citation (search report)

- [A] DE 19519191 A1 19961219 - SIEMENS AG [DE]
- [A] WO 0214683 A1 20020221 - SIEMENS AG [DE], et al
- [PA] WO 2004111433 A1 20041223 - BOSCH GMBH ROBERT [DE], et al
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US8146839B2; WO2007098975A1; WO2007014793A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1624181 A1 20060208; **EP 1624181 B1 20070404**; DE 102004037124 A1 20060323; DE 502005000548 D1 20070516

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