

Title (en)
Injector and method for injecting fuel

Title (de)
Injektor und Verfahren zum Einspritzen von Kraftstoff

Title (fr)
Injecteur et procédé d'injection de carburant

Publication
EP 2218905 B1 20150415 (EN)

Application
EP 09002221 A 20090217

Priority
EP 09002221 A 20090217

Abstract (en)
[origin: EP2218905A1] An injector comprises a closing element (7) comprising a conical flow guiding surface (15) and a deflection element (16) arranged at the flow guiding surface (15) of the closing element (7). The deflection element (16) is dimensioned to deflect a fluid flow only during a first time period directly following a beginning of each opening phase of the injector during which the fluid flow is guided by the flow guiding surface (15) of the closing element (7) from a first flow direction (FD1) upstream the deflection element (16) to a second flow direction (FD2) differing from the first flow direction (FD1) such that the fluid is injected in the second flow direction (FD2). The injector further comprises a cartridge (4) with a flow guiding surface (11). The flow guiding surface (11) of the cartridge (4) is arranged for taking over a guidance of the fluid flow from the flow guiding surface (15) of the closing element (7) during a second time period directly following the first time period such that the fluid is injected in a third flow direction differing from the second flow direction (FD2).

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