

Title (en)

FUEL INJECTION DEVICE, ESPECIALLY FOR A DIRECT INJECTION INTERNAL COMBUSTION ENGINE, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

KRAFTSTOFF-EINSPRITZVORRICHTUNG, INSBESONDERE FÜR EINE BRENNKRAFTMASCHINE MIT KRAFTSTOFF-DIREKTEINSPRITZUNG, SOWIE VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

DISPOSITIF D'INJECTION DE CARBURANT DESTINE A UN MOTEUR A COMBUSTION INTERNE, NOTAMMENT A UN MOTEUR A COMBUSTION INTERNE A INJECTION DIRECTE, ET PROCEDE DE FABRICATION

Publication

**EP 1689999 A1 20060816 (DE)**

Application

**EP 04786719 A 20040908**

Priority

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- DE 10354878 A 20031124

Abstract (en)

[origin: WO2005052354A1] The invention relates to a fuel injection device (10) comprising at least two coaxial valve elements (20, 22) arranged in a housing (12). At least one fuel outlet (24, 26) is respectively associated with said valve elements. The outer valve element (20) is provided with a first sealing edge (64) oriented radially outwards in relation to the at least one fuel outlet (24) associated with the outer valve element. Said sealing edge co-operates with a valve seat (66) on the housing side and can separate the at least one fuel outlet (24) from a high pressure connection. According to the invention, the outer valve element (20) is provided with an additional sealing edge (72) between the at least one fuel outlet (24) associated with the outer valve element and the inner valve element (22).

IPC 8 full level

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