

Title (en)

CONTROL DEVICE FOR A FUEL INJECTION NOZZLE

Publication

**EP 0351631 B1 19921111 (DE)**

Application

**EP 89112156 A 19890704**

Priority

DE 3824644 A 19880720

Abstract (en)

[origin: EP0351631A1] In a control device for a fuel injection nozzle of an internal combustion engine, a pressure chamber (18) is provided between an inlet (17) and a valve seat (4). With the valve seat (4) closed, an injection pressure for the injection nozzle builds up in the pressure chamber (18). In order to improve the pressure build-up and the pressure compensation, the valve seat (4) is formed by that end of a valve element (2) which is near to the inlet (17). With the valve seat (4) opened, the pressure chamber (18) is connected to the interior (5) of the valve element (2). The interior (5) is open to the outlet (13). <IMAGE>

IPC 1-7

**F02M 59/36**; **F02M 59/46**

IPC 8 full level

**F02M 61/16** (2006.01); **F02M 59/36** (2006.01); **F02M 59/46** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)

**F02M 59/366** (2013.01 - EP US); **F02M 59/466** (2013.01 - EP US); **F02M 59/468** (2013.01 - EP US); **F02M 63/0033** (2013.01 - EP US); **F02M 63/008** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US); **F02M 2200/502** (2013.01 - EP US); **F02M 2200/703** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0351631 A1 19900124**; **EP 0351631 B1 19921111**; DE 3824644 A1 19900125; DE 58902666 D1 19921217; JP H0267457 A 19900307; US 5137256 A 19920811

DOCDB simple family (application)

**EP 89112156 A 19890704**; DE 3824644 A 19880720; DE 58902666 T 19890704; JP 18384489 A 19890718; US 81072491 A 19911218