

Title (en)

METHOD FOR MOUNTING A VALVE MODULE OF A FUEL INJECTOR

Title (de)

VERFAHREN ZUR MONTAGE EINER VENTILBAUGRUPPE EINES BRENNSTOFFEINSPRITZVENTILS

Title (fr)

PROCEDE DE MONTAGE D'UN SOUS-GROUPE SOUPAPE D'UNE SOUPAPE D'INJECTION DE CARBURANT

Publication

EP 1062422 B1 20040324 (DE)

Application

EP 99955812 A 19990925

Priority

- DE 9903097 W 19990925
- DE 19900405 A 19990108

Abstract (en)

[origin: DE19900405A1] The invention relates to a method for mounting a valve module of a fuel injector for fuel injection systems of internal combustion engines. The fuel injector comprises an electromagnetic actuating element having a magnet coil, an inner pole and an outer magnetic circuit component (5), as well as a mobile valve closing body which cooperates with a valve seat assigned to a valve seat body (15). The valve seat body (15) and the inner pole are arranged in an inner opening (11) of a thin-walled valve sleeve (6) and the magnet coil and outer magnetic circuit component (5) are positioned on the outer circumference of the valve sleeve (6). First the magnetic circuit component (5) is slid on to the valve sleeve (6) and then the valve seat body (15) is pressed into the inner opening (11) of the valve sleeve (6) such that the pushing in of the valve seat body (15) in itself causes the valve sleeve (6) and magnetic circuit component (5) to be firmly joined.

IPC 1-7

F02M 61/16; **F02M 51/06**

IPC 8 full level

F02M 51/06 (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP KR US)

F02M 51/061 (2013.01 - EP US); **F02M 51/0671** (2013.01 - EP US); **F02M 61/16** (2013.01 - KR); **F02M 61/168** (2013.01 - EP US); **Y10T 29/49412** (2015.01 - EP US); **Y10T 29/49863** (2015.01 - EP US); **Y10T 29/49938** (2015.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19900405 A1 20000713; CN 1116515 C 20030730; CN 1292847 A 20010425; DE 59908956 D1 20040429; EP 1062422 A1 20001227; EP 1062422 B1 20040324; JP 2002534639 A 20021015; KR 20010052202 A 20010625; RU 2237191 C2 20040927; US 6543137 B1 20030408; WO 0040858 A1 20000713

DOCDB simple family (application)

DE 19900405 A 19990108; CN 99803766 A 19990925; DE 59908956 T 19990925; DE 9903097 W 19990925; EP 99955812 A 19990925; JP 2000592540 A 19990925; KR 20007009909 A 20000907; RU 2000125528 A 19990925; US 62373300 A 20001121