

Title (en)

Fuel injector with clamping sleeve as a stop for a valve needle

Title (de)

Kraftstoffinjektor mit Spannhülse als Anschlag für Ventilnadel

Title (fr)

Injecteur de carburant avec manchon de serrage comme butée pour une aiguille

Publication

EP 1607620 B1 20080319 (DE)

Application

EP 05103071 A 20050418

Priority

DE 102004028523 A 20040611

Abstract (en)

[origin: EP1607620A1] The injector has a control valve (1) with an electromagnetically valve needle (3), in which a coil (19) is received in a magnet cup (18) made of magnetizable material. A clamping sleeve (23) is received in the magnet cup, where the clamping sleeve has a gaplike opening extending between its face ends. The sleeve is braced by a spring force against a bore present in the magnet cup. An independent claim is also included for a method of producing a fuel injector in an internal combustion engine.

IPC 8 full level

F02M 51/06 (2006.01); **F02M 61/16** (2006.01); **F02M 59/46** (2006.01); **F02M 63/00** (2006.01); **F02M 51/00** (2006.01)

CPC (source: EP US)

F02M 61/161 (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 63/0015** (2013.01 - EP US); **F02M 51/005** (2013.01 - EP US); **F02M 63/004** (2013.01 - EP US); **F02M 63/0043** (2013.01 - EP US); **Y10S 251/903** (2013.01 - EP)

Cited by

DE102015205161A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1607620 A1 20051221; **EP 1607620 B1 20080319**; DE 102004028523 A1 20051229; DE 502005003274 D1 20080430; JP 2005351278 A 20051222; US 2005274829 A1 20051215; US 7527211 B2 20090505

DOCDB simple family (application)

EP 05103071 A 20050418; DE 102004028523 A 20040611; DE 502005003274 T 20050418; JP 2005173038 A 20050613; US 14928805 A 20050610