

Title (en)

ELECTRIC SEPARATION IN FUEL INJECTORS

Title (de)

ELEKTRISCHE TRENNUNG IN KRAFTSTOFFINJEKTOREN

Title (fr)

SEPARATION ELECTRIQUE DANS DES INJECTEURS DE CARBURANT

Publication

**EP 1846656 B1 20170412 (DE)**

Application

**EP 05823893 A 20051216**

Priority

- EP 2005056850 W 20051216
- DE 102005004327 A 20050131

Abstract (en)

[origin: DE102005004327A1] The injector has an injector body (110) with two functional units (148, 150) respectively including two electrically controllable valves, where the functional unit (150) is different from the functional unit (148). The functional units are reversibly connected by a non-positive connecting unit (152) and a positioning pin at a butt joint (126), and separately produced and tested, where the connecting unit has a coupling nut. An independent claim is also included for a method for producing a fuel injector.

IPC 8 full level

**F02M 47/02** (2006.01); **F02M 51/00** (2006.01); **F02M 57/02** (2006.01); **F02M 59/10** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01); **F02M 65/00** (2006.01)

CPC (source: EP US)

**F02M 51/005** (2013.01 - EP US); **F02M 57/025** (2013.01 - EP US); **F02M 59/105** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 47/027** (2013.01 - EP US); **F02M 63/0007** (2013.01 - EP US); **F02M 63/0015** (2013.01 - EP US)

Citation (examination)

- DE 102004008349 A1 20040909 - CATERPILLAR INC [US]
- US 2003224664 A1 20031204 - BROCK GREGORY D [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102005004327 A1 20060803**; EP 1846656 A1 20071024; EP 1846656 B1 20170412; US 2008121215 A1 20080529; US 7571715 B2 20090811; WO 2006081896 A1 20060810

DOCDB simple family (application)

**DE 102005004327 A 20050131**; EP 05823893 A 20051216; EP 2005056850 W 20051216; US 72254105 A 20051216