

Title (en)

Device for the electrical connection of contact pins to connecting pins of a plug-in connector formed from the device

Title (de)

Vorrichtung zur elektrischen Verbindung von Kontaktstiften mit Anschlussstiften eines von der Vorrichtung ausgebildeten Steckverbinders

Title (fr)

Dispositif pour connecter des broches de contacts avec des broches de connecteur enfichable dans le dispositif

Publication

**EP 1655478 A1 20060510 (DE)**

Application

**EP 05108234 A 20050908**

Priority

DE 102004053491 A 20041105

Abstract (en)

A connection device (10) for electrical connection of contact pins, has a body piece (14) with an insertion section for axial engagement in the aperture and includes entrance apertures (18) for the contact pins and has a mounting surface (22) laterally displaced relative to the insertion section (16) and the mounting surface extends mainly tangential. The mounting surface operates in unison with a corresponding mounting surface of the housing, in which the mounting surface (22) of the connection device is formed of zones (24,26) tangentially opposed to one another, and the mounting surface zones (24,26) are formed non-elastic on one side and elastic on the other side. Independent claims are included for the following: (A) A fuel injector for a combustion engine. (B) Use of a connector device for electrical contact pins of a piezoelectric actuator of a fuel injector.

IPC 8 full level

**F02M 51/00** (2006.01); **F02M 51/06** (2006.01); **H01R 4/48** (2006.01); **H01R 13/405** (2006.01); **H01R 13/631** (2006.01); **H01R 13/73** (2006.01)

CPC (source: EP US)

**F02M 51/005** (2013.01 - EP US); **F02M 51/0603** (2013.01 - EP US); **H01R 13/6315** (2013.01 - EP US); **H01R 13/631** (2013.01 - EP US)

Citation (applicant)

- DE 19715487 A1 19981022 - SIEMENS AG [DE]
- DE 19844743 C1 20000608 - SIEMENS AG [DE]

Citation (search report)

- [A] WO 2004042226 A1 20040521 - SIEMENS AG [DE], et al
- [A] DE 19844743 C1 20000608 - SIEMENS AG [DE]
- [A] EP 1445470 A1 20040811 - SIEMENS VDO AUTOMOTIVE SPA [IT]
- [A] DE 19940347 A1 20010301 - SIEMENS AG [DE]
- [A] DE 19715487 A1 19981022 - SIEMENS AG [DE]

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

**DE 102004053491 B3 20051229**; DE 502005001367 D1 20071011; EP 1655478 A1 20060510; EP 1655478 B1 20070829; US 2006121767 A1 20060608; US 7175442 B2 20070213

DOCDB simple family (application)

**DE 102004053491 A 20041105**; DE 502005001367 T 20050908; EP 05108234 A 20050908; US 26654005 A 20051103