

Title (en)

Electrical connector for an injector, actuator unit for an injector, injector and method for coupling a first connector element to a second connector element of an electrical connector for an injector

Title (de)

Elektrischer Verbinder für einen Injektor, Aktuatereinheit für einen Injektor, Injektor und Verfahren zur Kopplung eines ersten Verbinderelements mit einem zweiten Verbinderelement eines elektrischen Verbinders für einen Injektor

Title (fr)

Connecteur électrique pour injecteur, unité d'actionneur pour actionneur, injecteur et procédé de couplage d'un premier élément connecteur vers un second élément connecteur d'un connecteur électrique pour injecteur

Publication

EP 2003329 A1 20081217 (EN)

Application

EP 07011712 A 20070614

Priority

EP 07011712 A 20070614

Abstract (en)

Electrical connector (50) for an injector (10) comprising a first connector element (43) and a second connector element (47), the first connector element (43) comprising a connector body (44), and an electric conductor (45) being mechanically coupled to the connector body (44), being electrically coupable to a power supply and having an extern electric conductor section (45a) outside the connector body (44), the extern electric conductor section (45a) extending in a longitudinal direction (D), the second connector element (47) comprising a supporting element (48) being designed as a cylinder with a longitudinal axis (A), a first electric pin (49a) being rigidly coupled to the supporting element (48) and electrically coupable to an actuator unit (14) of the injector (10), and a second electric pin (49b) being rigidly coupled to the supporting element (48) and electrically coupled to the first electric pin (49a), the second electric pin (49b) being electrically coupled to the extern electric conductor section (45a) of the first connector element (43) in a mechanically tension-free manner and extending in a plane (P) being parallel to the longitudinal direction (D) of the extern electric conductor section (45a).

IPC 8 full level

F02M 51/00 (2006.01); **F02M 51/06** (2006.01)

CPC (source: EP)

F02M 51/005 (2013.01); **F02M 51/0603** (2013.01)

Citation (applicant)

DE 102005024196 A1 20061130 - SIEMENS AG [DE]

Citation (search report)

- [X] DE 102005024196 A1 20061130 - SIEMENS AG [DE]
- [A] DE 102004063292 A1 20060713 - SIEMENS AG [DE]
- [A] DE 10317148 A1 20041028 - BOSCH GMBH ROBERT [DE]

Cited by

EP2833042A1; US9366352B2

Designated contracting state (EPC)

DE FR IT

Designated extension state (EPC)

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DOCDB simple family (application)

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