

Title (en)

Apparatus for electrical connection

Title (de)

Vorrichtung für eine elektrische Verbindung

Title (fr)

Appareil pour connexion électrique

Publication

**EP 2348586 A1 20110727 (EN)**

Application

**EP 10151182 A 20100120**

Priority

EP 10151182 A 20100120

Abstract (en)

Apparatus is disclosed that is suitable for connecting first and second electrical connection points arranged at different angular orientations, for example in a fuel injector having a pressure sensor integrated into a cap nut. The apparatus comprises a generally cylindrical first body (118) having a first electrical connection point (B), a generally tubular second body (122) attachable to an end region (120) of the first body (118) and having a second electrical connection point (136), a first annular conductor (152) associated with the first body (118) and connected to the first connection point (B), and a second annular conductor (164) associated with the second body (122) and connected to the second connection point (136). The first and second connection points (B, 136) are located laterally from a common axis (A) of the first and second bodies (118, 122) and, when the second body (122) is attached to the first body (118), the first and second annular conductors (152, 164) are in electrical contact so as to connect the first connection point to the second connection point (136) irrespective of whether the first and second connection points are in alignment in a direction parallel to the common axis (A).

IPC 8 full level

**H01R 39/64** (2006.01)

CPC (source: EP)

**H01R 39/64** (2013.01); **H01R 13/24** (2013.01); **H01R 13/533** (2013.01)

Citation (applicant)

EP 1854993 B1 20080702 - DELPHI TECH INC [US]

Citation (search report)

- [X] US 6062200 A 20000516 - HOFMEISTER WERNER [DE]
- [X] US 5704792 A 19980106 - SOBHANI MOHI [US]
- [A] EP 1854993 A1 20071114 - DELPHI TECH INC [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2348586 A1 20110727**; WO 2011088940 A1 20110728

DOCDB simple family (application)

**EP 10151182 A 20100120**; EP 2010070346 W 20101221