

Title (en)

FUEL INJECTOR WITH A HOUSING, AND METHOD FOR FINISHING AND LABELING THE HOUSING

Title (de)

KRAFTSTOFFINJEKTOR MIT GEHÄUSE, SOWIE VERFAHREN ZUM FERTIGSTELLEN UND BESCHRIFTEN DES GEHÄUSES

Title (fr)

INJECTEUR DE CARBURANT COMPORTANT UN BOITIER ET PROCEDE DE FABRICATION ET DE MARQUAGE DU BOITIER

Publication

EP 1888913 B1 20110309 (DE)

Application

EP 06763239 A 20060523

Priority

- EP 2006062546 W 20060523
- DE 102005025147 A 20050601

Abstract (en)

[origin: US2008197314A1] A fuel injector has a housing for an actuator (1), especially to a fuel injector with a connector of a contact stud support injection-molded thereto. The injector has a casing (10), disposed across at least part of the periphery of the actuator (1), and an actuator cover (20) placed on the casing (10). The actuator cover (20) is laser-welded to the casing (10) in an overlapping area (30) between the actuator cover (20) and the casing (10). According to a method for finishing the housing of a fuel injector having the aforementioned features, a laser beam used for a laser welding method is incident on the overlapping area (30) in a substantially perpendicular or substantially parallel orientation in relation to the axial direction (A) of the actuator (1) and laser-welds the actuator cover (20) to the casing (10).

IPC 8 full level

F02M 61/16 (2006.01)

CPC (source: EP US)

F02M 61/168 (2013.01 - EP US); **F02M 63/0026** (2013.01 - EP US); **F02M 2200/8007** (2013.01 - EP US)

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)

US 2008197314 A1 20080821; AT E501352 T1 20110315; DE 102005025147 A1 20061207; DE 102005025147 B4 20141106; DE 502006009058 D1 20110421; EP 1888913 A1 20080220; EP 1888913 B1 20110309; WO 2006128812 A1 20061207

DOCDB simple family (application)

US 91623806 A 20060523; AT 06763239 T 20060523; DE 102005025147 A 20050601; DE 502006009058 T 20060523; EP 06763239 A 20060523; EP 2006062546 W 20060523