

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

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CPC (source: EP US)

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