

Title (en)
A FLUID INJECTION ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
FLUIDEINSPRITZANORDNUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
ENSEMBLE D'INJECTION DE FLUIDE POUR MOTEUR À COMBUSTION INTERNE

Publication
EP 3636914 A1 20200415 (EN)

Application
EP 18199059 A 20181008

Priority
EP 18199059 A 20181008

Abstract (en)
A fluid injection assembly is disclosed. It comprises an elongate fluid injector (1) having a valve body (2) and a securing element (10) . The valve body (2) is adapted to be located in a bore (5) of a housing (4) of an internal combustion engine. The securing element (10) is located on the valve body (2) and has a projection (16) engageable in a slot (18) of the housing (4) for securing the fluid injector (1) to the housing to locate the fluid injector (1) in a predetermined position. The projection (16) has at least one deformable element (20) projecting from the main body (14) of the projection (16) the deformable element (20) being deformed when the projection (16) is inserted in the slot (18) so that the projection (16) is held with a force fit in the slot (18).

IPC 8 full level
F02M 61/14 (2006.01)

CPC (source: EP)
F02M 61/14 (2013.01); **F02M 61/145** (2013.01); **F02M 2200/852** (2013.01)

Citation (applicant)
US 6325049 B1 20011204 - NALLY DEBORA [US]

Citation (search report)
• [XY] US 2004194760 A1 20041007 - STREB MICHAEL T [US], et al
• [Y] WO 9727398 A1 19970731 - SIEMENS AUTOMOTIVE CORP LP [US]
• [X] WO 2008064941 A1 20080605 - BOSCH GMBH ROBERT [DE], et al
• [X] US 5121731 A 19920616 - JONES RICHARD A [US]
• [X] DE 102016225706 A1 20180621 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

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