

Title (en)
FUEL INJECTION ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
KRAFTSTOFFEINSPRITZANORDNUNG FÜR EINE BRENNKRAFTMASCHINE

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

Publication
EP 3786441 A1 20210303 (EN)

Application
EP 19193701 A 20190827

Priority
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Abstract (en)
A fuel injection assembly is provided that comprises an elongate fuel injector (4) having a longitudinal axis, a fuel inlet port and a fuel outlet port, an injector cup (6), and a holding clip (8) for securing the fuel injector (4) to the injector cup (6). The injector cup (6) comprises a generally cylindrical body and has an upper and a lower end, a recess at its lower end adapted to receive a fuel inlet port of the fuel injector (4), and an opening or openings (14) formed in the peripheral wall of the injector cup (6) for receiving the holding clip (8). The holding clip (8) is generally U-shaped having two generally parallel arms (10) extending from a base part (12) of the clip (8). The arms (10) are adapted to pass through the openings (14) to engage opposite sides of the fuel injector (4) to secure the fuel injector (4) in the injector cup (6). The fuel injector (4) has a projecting tab (18) engaged by the holding clip (6) when the clip (8) is inserted in the injector cup (6) to locate the angular position of the fuel injector (4) relative to the injector cup (6).

IPC 8 full level
F02M 61/14 (2006.01)

CPC (source: EP)
F02M 61/14 (2013.01); **F02M 2200/8023** (2013.01); **F02M 2200/853** (2013.01); **F02M 2200/856** (2013.01)

Citation (applicant)
• US 8479710 B2 20130709 - DAVIS G MARC [US]
• WO 2015135732 A1 20150917 - CONTINENTAL AUTOMOTIVE GMBH [DE]

Citation (search report)
• [XY] US 2016273501 A1 20160922 - CASS CHRISTOPHER M [US], et al
• [Y] US 2016177903 A1 20160623 - DI DOMIZIO GISELLA [IT], et al
• [X] US 2010012093 A1 20100121 - PEPPERINE DEAN M [US], et al
• [X] EP 2896815 A2 20150722 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)
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