

Title (en)
SERVO ACTUATOR FOR FUEL INJECTOR

Title (de)
SERVOANTRIEB FÜR KRAFTSTOFFINJEKTOR

Title (fr)
ACTIONNEUR D'ASSERVISSEMENT POUR INJECTEUR DE CARBURANT

Publication
EP 3118443 A1 20170118 (EN)

Application
EP 16178237 A 20160706

Priority
GB 201512350 A 20150715

Abstract (en)
An actuator assembly (12) of a fuel injector (10) has a body (14) provided with an internal cavity (22) wherein an inner shoulder face (44) is arranged between a large bore (24) and a thinner conduit (30). A servo actuator member (32) is arranged in the cavity (22) and it has an outer shoulder face (38) provided between a large actuation portion (34) and a thinner head portion (36). The actuator assembly (12) is further provided with an integral hydraulic lash adjuster (HLA) comprising a first chamber (56) defined between the outer shoulder face (38) and the inner shoulder face (44) and, an annular first clearance (C1) arranged around the actuator member (32) filled with high viscosity fluid (F).

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/08** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)
F02M 51/0603 (2013.01); **F02M 61/08** (2013.01); **F02M 61/167** (2013.01)

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Designated extension state (EPC)
BA ME

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