

Title (en)

ACTUATOR OF AN ELECTROHYDRAULIC GAS EXCHANGE VALVE DRIVE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

AKTUATOR FÜR EINEN ELEKTROHYDRAULISCHEN GASWECHSELVENTILTRIEB EINER BRENNKRAFTMASCHINE

Title (fr)

ACTIONNEUR D'UNE COMMANDE DE SOUPAPES D'ÉCHANGE DE GAZ HYDROÉLECTRIQUE D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 3102799 B1 20171129 (DE)**

Application

**EP 15706143 A 20150120**

Priority

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Abstract (en)

[origin: WO2015117603A1] Proposed is an actuator for an electrohydraulic gas exchange valve train of a combustion engine. The actuator comprises an actuator housing (17) which can be mounted on the combustion engine and has a borehole (18), a hydraulic piston (6), which is mounted therein such that it can carry out a reciprocating movement, for actuating the gas exchange valve (2) and an axial stop (19) which, when the actuator housing is in the unmounted state relative to the combustion engine, limits the piston stroke out of the borehole to a mounting stroke (T). This mounting stroke is smaller than a maximum operating stroke (L) with which the hydraulic piston actuates the gas exchange valve, the piston stroke being only temporarily limited to the mounting stroke by the axial stop and no longer being limited to the mounting stroke once the actuator (16) is in operation.

IPC 8 full level

**F01L 9/10** (2021.01); **F01L 1/25** (2006.01); **F01L 9/14** (2021.01); **F01L 9/12** (2021.01)

CPC (source: CN EP KR US)

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