

Title (en)

Hydraulically-assisted engine valve actuator

Title (de)

Hydraulisch unterstützte Betätigung von Motorventilen

Title (fr)

Mécanisme de commande de soupapes à assistance hydraulique

Publication

EP 1253297 A1 20021030 (EN)

Application

EP 01110230 A 20010425

Priority

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Abstract (en)

A hydraulically-assisted engine valve actuator for assisting in the actuation of an engine valve, includes a servo piston being operably coupled to the engine valve. A translatable pilot valve is in fluid communication with the servo piston and the main piston and is operably coupled to and controlled by a pilot valve positioning system. The pilot valve positioning system controls a translational stroke of the pilot valve to meter hydraulic fluid under pressure to and from the servo piston. A stroke magnifier magnifies a stroke of the pilot valve positioning system. <IMAGE>

IPC 1-7

F01L 9/02

IPC 8 full level

F01L 9/10 (2021.01)

CPC (source: EP)

F01L 9/10 (2021.01)

Citation (search report)

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Designated contracting state (EPC)

AT DE FR GB IT SE

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