Title (en)

A HYDRAULIC VALVE ARRANGEMENT FOR CONTROLLABLY OPERATING A GAS EXCHANGE VALVE OF AN INTERNAL COMBUSTION PISTON ENGINE

Title (de)

HYDRAULISCHE VENTILANORDNUNG ZUR STEUERBAREN BETÄTIGUNG EINES GASWECHSELVENTILS EINES HUBKOLBEN-VERBRENNUNGSMOTORS

Title (fr)

AGENCEMENT DE SOUPAPE HYDRAULIQUE POUR ACTIONNER DE FAÇON COMMANDÉE UNE SOUPAPE D'ÉCHANGE DE GAZ D'UN MOTEUR À COMBUSTION INTERNE À PISTON

Publication

EP 2815088 A1 20141224 (EN)

Application

EP 13712817 A 20130211

Priority

- FI 20125181 A 20120216
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Abstract (en)

[origin: WO2013121100A1] Invention relates to a hydraulic valve arrangement (10) for controllably operating a gas exchange valve of an internal combustion piston engine, the arrangement comprising a body part (12) in which body part a first fluid chamber (14.1) is arranged bordered by radial surfaces (16.1', 16.2') of first and second piston parts and having a volume that increases in response to the piston parts (16.1, 16.2) moving relative to the body part in a first direction, and a second fluid chamber (14.2) is arranged bordered by radial surface (16.2'') of the second piston part having a volume that decreases in response to the second piston part moving relative to the body part in a first direction. The first and the second piston parts are arranged slidably in respect to each other and that the movement of the second piston (16.2) part relative to the body part (12) is arranged controllable by a fluid control system (24) arranged in connection with the hydraulic valve arrangement (10).

IPC 8 full level

F01L 9/10 (2021.01)

CPC (source: EP FI)

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Citation (search report)

See references of WO 2013121100A1

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