

Title (en)
HYDRAULIC VALVE TRAIN OF AN INTERNAL COMBUSTION ENGINE

Title (de)
HYDRAULISCHER VENTILTRIEB EINES VERBRENNUNGSMOTORS

Title (fr)
MÉCANISME DE DISTRIBUTION HYDRAULIQUE D'UN MOTEUR À COMBUSTION INTERNE

Publication
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Application
EP 14793777 A 20141008

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Abstract (en)
[origin: WO2015074652A1] The invention proposes a hydraulic valve brake (14) for a hydraulic valve drive of an internal combustion engine. The valve brake comprises a housing (19) with a housing wall (17) and with a housing base (20), and comprises a piston (6) which moves axially in the housing and one end side of which, together with the housing wall and the housing base, delimits a hydraulic pressure chamber (21) and the other end side of which actuates a gas exchange valve (2). The housing wall is extended through in the region of the pressure chamber (21) by one or more flow transfer openings (24, 25), the opening cross sections of which are controlled by a control edge (25), which delimits the end side at the pressure chamber side, of the piston. In this case, it is the intention for the axial distance (h) between the control edge of the piston, when the latter is fully retracted into the housing, and the housing base to be set by means of a spacer (26) of predetermined thickness (d).

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