

Title (en)

HYDRAULIC VALVE FOR A SWIVEL MOTOR ADJUSTER OF A CAMSHAFT

Title (de)

HYDRAULIKVENTIL FÜR EINEN SCHWENKMOTORVERSTELLER EINER NOCKENWELLE

Title (fr)

VANNE HYDRAULIQUE POUR DÉPHASEUR À MOTEUR OSCILLANT D'UN ARBRE À CAMES

Publication

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Application

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Abstract (en)

[origin: US2017260882A1] A piston for a hydraulic valve of a rotation phaser, wherein the piston is configured hollow cylindrical, wherein the piston is axially movable in a central opening extending along a first longitudinal axis of a housing of the hydraulic valve, wherein operating connections of the housing are opened and closed according to a position of the piston, wherein the piston includes check valves which prevent an unintentional outflow of a hydraulic fluid flowing through the piston from an inner cavity of the piston in flow through openings of the piston associated with the operating connections, wherein the piston is configured with check valves in its inner cavity that open towards its interior cavity, wherein the check valves are fixated by a spacer element that is arranged between the two check valves. The invention also relates to a hydraulic valve for a rotation phaser of a cam shaft.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2017157900A1

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