

Title (en)
VALVE DRIVE

Title (de)
VENTILTRIEB

Title (fr)
ENTRAINEMENT DE SOUPAPES

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Abstract (en)
[origin: WO2005028816A1] The invention relates to a valve drive, especially for four-stroke engines, comprising the following components: a rocker frame (2) provided with two rails (34, 35) for receiving rockers; hydroelements (6); a steel sheet arranged between the hydroelements (6) and the rocker frame (2); a compressed oil line; and an identically embodied deep-drawn steel sheet rocker (1) with a U-shaped cross-section, a cylindrical roller, a cap (4) for a supporting ball (5) of the hydroelement (6), and contact elements for the valve shafts of the inlet valves and outlet valves. The aim of the invention is to reduce the production costs of the steel sheet rocker. To this end, the outer pistons (9) of the hydroelements (6) are guided in pocket holes (8) of the rocker frame (2), and a steel disk (11) is arranged at the bottom of the pocket holes (8) as an abutment for the inner piston (10).

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