

Title (en)  
CYLINDER HEAD FOR A MULTI-CYLINDER INTERNAL COMBUSTION ENGINE

Title (de)  
ZYLINDERKOPF FÜR EINE MEHRZYLINDRIGE BRENNKRAFTMASCHINE

Title (fr)  
CULASSE POUR MOTEUR A COMBUSTION INTERNE MULTICYLINDRE

Publication  
**EP 0900327 B1 19991117 (DE)**

Application  
**EP 97918132 A 19970414**

Priority  
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• EP 9701848 W 19970414

Abstract (en)  
[origin: DE19620546A1] In order to make it particularly compact and easy to fit, the proposal is for a cylinder head (1) of a multi-cylinder internal combustion engine having at least two inlet valves (2) and two exhaust valves (3) per cylinder (4). The centre (5) of the head of the inlet of the inlet valves (2) and the centre (5') of the head of the exhaust valves (3) are not at the same distance from the mean perpendicular M of the cylinder head (1). In a first embodiment, the cylinder head is constructed in such a way that the inlet valves (2) and the outlet valves (3) are operated by two camshafts (7, 7'), there is a number of identical actuating components (9) between the valves (2, 3) and the cams (8) of the camshafts (7, 7'), and the cams (8) of the camshafts (7, 7) allocated to the valves (2, 3) have different basic circle diameters (DG1, DG2). In a second embodiment of the invention, the cylinder head (1) may also be designed in such a way that the inlet valves (2) and the exhaust valves (3) are controlled by two camshafts (7, 7'), there is a number of identical actuating components (9) between the valves (2, 3) and the cams (8) of the camshafts (7, 7'), and the actuating components (9) allocated to the valves (2, 3) are inclined in relation to the camshafts (7, 7') to widely differing degrees.

IPC 1-7  
**F02F 1/42**; **F01L 1/26**

IPC 8 full level  
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