

Title (en)
Cylinder head of internal combustion engine.

Title (de)
Zylinderkopf eine Brennkraftmaschine.

Title (fr)
Culasse d'un moteur à combustion interne.

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Application
EP 90117130 A 19900905

Priority
JP 23006289 A 19890905

Abstract (en)
A cylinder head (1) of a DOHC internal combustion engine has a plurality of bearing sections which are located in the vicinity of each cylinder of the engine. Each of the bearing sections has a head bolt insertion-hole (16, 17) which vertically extends to pass through the bearing section and is connected with a head bolt hole (18, 19) located therebelow. Furthermore, Y-shaped rocker arms (2, 3) of the end pivot type are disposed on the cylinder head (1) so that each swinging end of the rocker arm (2, 3) for the intake valves (51) and that for the exhaust valves (52) are disposed opposite to each other. Therefore, an angle defined between the stems of the intake and exhaust valves can become small. This can make flatter the inclination of the upper surface of the combustion chamber, thereby contributing to setting the engine in a suitable compression ratio. Additionally, since the distance between the intake and exhaust camshafts (44, 45) can be suppressed relatively short, the lateral width of the cylinder head (1) becomes short.

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Citation (search report)
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