

Title (en)
CYLINDER HEAD AND INTERNAL COMBUSTION ENGINE EQUIPPED WITH SAME

Title (de)
ZYLINDERKOPF UND VERBRENNUNGSMOTOR DAMIT

Title (fr)
CULASSE ET MOTEUR À COMBUSTION INTERNE ÉQUIPÉ DE CELUI-CI

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Application
EP 15855005 A 20150330

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Abstract (en)
A technique capable of improving a sealing characteristic of a combustion chamber is provided. A slanted wall portion (38) connects a portion of a combustion-chamber sealing surface portion (29a) extending on one end side (side wall (26a) side) in a combustion-chambers arranging direction with a side wall (26a) of a cylinder head (20). Thus, the side wall (26a) can receive, via the slanted wall portion (38), an explosion load acting on the combustion-chamber sealing surface portion (29a) of the combustion chamber. In other words, a component of the explosion load acting on the combustion-chamber sealing surface portion (29a), which acts in a direction (upper direction in Fig. 5) to separate the cylinder head (20) from the cylinder block (6), can be decreased. Thus, deformation of the combustion-chamber sealing surface portion (29a) of the combustion chamber can be effectively decreased. As a result, the sealing characteristic of the combustion chamber (CC) can be improved.

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