

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

Publication
EP 3214295 A4 20180919 (EN)

Application
EP 15855005 A 20150330

Priority
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Abstract (en)
[origin: EP3214295A1] 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.

IPC 8 full level
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Citation (search report)
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• [XY] US 4567859 A 19860204 - TAGUCHI TAKEFUMI [JP], et al
• [X] US 4530323 A 19850723 - WAKASA AKINORI [JP]
• [Y] JP H05223004 A 19930831 - HONDA MOTOR CO LTD
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• [A] JP H04276159 A 19921001 - SUZUKI MOTOR CO
• [A] JP 2008045417 A 20080228 - AICHI MACHINE IND
• See references of WO 2016067653A1

Designated contracting state (EPC)
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