

Title (en)

Structure of cylinder head of air cooling engine

Title (de)

Struktur eines Zylinderkopfes eines Luftkühlungsmotor

Title (fr)

Structure de tête de cylindre de moteur de refroidissement d'air

Publication

EP 2410164 A3 20121010 (EN)

Application

EP 11168040 A 20110530

Priority

- TW 99123658 A 20100719
- TW 100105604 A 20110221

Abstract (en)

[origin: EP2410164A2] Disclosed is a structure of cylinder head (52) of air cooling engine (3). The cylinder head (52) forms a longitudinal channel (7) between a valve driving member (522) and a combustion chamber (523) and extending completely therethrough in a direction of an intake port (524) and an exhaust port (525). The cylinder head (52) also forms a lateral channel (6) that is located between the exhaust port (525) and the intake port (524) and opening toward a spark plug seat (526) and communicates the longitudinal channel (7). The engine (3) is structured by arranging the exhaust port (525) of the cylinder head (52) toward a vehicle front side and arranging the intake port (524) toward a vehicle rear side. When a vehicle is moving, an external cooling air stream flows from the exhaust port (525) through the longitudinal channel (7) to reach and discharge through the intake port (524) side.

IPC 8 full level

F02F 1/06 (2006.01); **F02F 1/32** (2006.01); **F02B 61/02** (2006.01)

CPC (source: EP)

F02F 1/065 (2013.01); **F02F 1/32** (2013.01); **F02B 61/02** (2013.01)

Citation (search report)

- [A] EP 1403496 A1 20040331 - HONDA MOTOR CO LTD [JP]
- [X] WO 2007080653 A1 20070719 - HONDA MOTOR CO LTD [JP], et al
- [A] JP 2005098249 A 20050414 - HONDA MOTOR CO LTD

Cited by

EP2713033A1; CN103711560A; CN111608817A; CN112648102A; JP2020165413A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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