

Title (en)  
ENGINE

Title (de)  
MOTOR

Title (fr)  
MOTEUR

Publication  
**EP 3499001 A1 20190619 (EN)**

Application  
**EP 18188436 A 20180810**

Priority  
JP 2017238841 A 20171213

Abstract (en)  
A cylinder head (11) includes a mating surface (26) to be attached to a head cover (10) through a gasket (25). The mating surface (26) is remote from an exhaust port (36) toward the head cover (10). A shroud (33) includes an opening (51), a mating surface air guide pathway (47) and a wall portion (52). An exhaust pipe (37) is inserted through the opening (51). The mating surface air guide pathway (47) directs part of outdoor air taken by a cooling fan (30) to the mating surface (26) so as to cool the mating surface (26). The wall portion (52) is disposed between the opening (51) and the mating surface air guide pathway (47), while being disposed adjacently to at least part of the opening (51), whereby the wall portion (52) inhibits the outdoor air from being discharged from the opening (51). The mating surface air guide pathway (47) directs part of the outdoor air to in-between of the mating surface (26) and the exhaust port (36).

IPC 8 full level  
**F01P 1/08** (2006.01); **F01P 5/06** (2006.01); **F01P 1/10** (2006.01)

CPC (source: EP)  
**F01P 1/08** (2013.01); **F01P 5/06** (2013.01); **F01P 1/10** (2013.01); **F01P 2050/16** (2013.01)

Citation (applicant)  
JP 2010223211 A 20101007 - YAMAHA MOTOR CO LTD

Citation (search report)  
• [XA] JP S58183815 A 19831027 - YAMAHA MOTOR CO LTD  
• [XA] EP 2148058 A2 20100127 - YAMAHA MOTOR CO LTD [JP] & JP 2010223211 A 20101007 - YAMAHA MOTOR CO LTD  
• [A] WO 2007080653 A1 20070719 - HONDA MOTOR CO LTD [JP], et al

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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