

Title (en)

Forced air-cooled type engine for motorcycle

Title (de)

Luftgekühlte Brennkraftmaschine mit Zwangskühlung für Motorrad

Title (fr)

Moteur à combustion interne avec refroidissement forcé pour motocyclette

Publication

**EP 1369560 A2 20031210 (EN)**

Application

**EP 03010278 A 20030507**

Priority

JP 2002162070 A 20020603

Abstract (en)

Object; In a forced air-cooled type engine for motorcycle in which an engine main body comprising as a part of component elements thereof a cylinder head having a cylinder axis set substantially horizontally and a spark plug mounted at least one of left and right side surfaces is vertically swingably supported to a vehicle body frame and the cylinder head is covered with a shroud for forming a communication passage for flow of air for forced air cooling between itself and the cylinder head; to increase the degree of freedom in laying out a high-tension cord and to enable enhancement of flexural durability of the high-tension cord. <??>Means of Solution: An ignition coil(126)disposed on the rear side of the cylinder head is supported by one of a left-right pair of rear frame members (29 and 30) possessed by the vehicle body frame(25), and an other end portion of the high-tension cord(123)having one end connected to the ignition coil(126)is bent back in a roughly U shape from the front side of a plug cap (121) connected to the spark plug to the rear side of the plug cap (121) and is connected to the plug cap (121). <IMAGE>

IPC 1-7

**F02B 61/02**

IPC 8 full level

**F01P 1/02** (2006.01); **F02B 61/02** (2006.01); **F02B 75/16** (2006.01); **F02B 77/00** (2006.01); **F02F 1/06** (2006.01); **F02P 13/00** (2006.01); **F02P 15/00** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)

**F01P 1/02** (2013.01); **F02B 61/02** (2013.01); **F02B 75/16** (2013.01); **F02F 1/06** (2013.01); **F01P 2050/16** (2013.01); **F02B 2075/027** (2013.01); **F02B 2275/20** (2013.01)

Cited by

CN103133212A; EP1873050A1; AT501201A1; AT501201B1; EP3364017A3; US9163550B2; US2012024257A1; US8656887B2; EP3936422A4

Designated contracting state (EPC)

ES FR IT

DOCDB simple family (publication)

**EP 1369560 A2 20031210**; **EP 1369560 A3 20040526**; **EP 1369560 B1 20070627**; CN 1278036 C 20061004; CN 1467368 A 20040114; ES 2287383 T3 20071216; JP 2004011437 A 20040115; JP 3908983 B2 20070425; TW 200400316 A 20040101; TW 593875 B 20040621

DOCDB simple family (application)

**EP 03010278 A 20030507**; CN 03136472 A 20030523; ES 03010278 T 20030507; JP 2002162070 A 20020603; TW 92107265 A 20030331