

Title (en)

Sensor mounting structure for engine

Title (de)

Sensoranordnung für eine Brennkraftmaschine

Title (fr)

Agencement d'un capteur pour un moteur à combustion interne

Publication

**EP 1482149 B1 20070117 (EN)**

Application

**EP 04253156 A 20040528**

Priority

JP 2003150312 A 20030528

Abstract (en)

[origin: EP1482149A1] The structure has a fastener (24) for mounting a sensor (25) on an outer wall (11) of a crankcase (2) below an axis (3) of a crankshaft for detecting engines driving conditions. A cover unit (29) covers the sensor and extends from an outer wall of the crankshaft in a direction along an outer surface of the crankcase. The cover unit is provided between exhaust pipes and the sensor.

IPC 8 full level

**F01N 13/14** (2010.01); **F02B 77/00** (2006.01); **F02B 77/08** (2006.01); **F02B 77/11** (2006.01); **F02D 35/00** (2006.01); **F02F 7/00** (2006.01); **F02P 7/067** (2006.01)

CPC (source: EP GB)

**F02B 77/00** (2013.01 - EP GB); **F02B 77/08** (2013.01 - EP GB); **F02P 7/0677** (2013.01 - EP GB)

Citation (examination)

JP H07286537 A 19951031 - USHIO YASUO, et al

Cited by

EP2166212A1; CN109812345A; US8256280B2; US10967815B2

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

**EP 1482149 A1 20041201**; **EP 1482149 B1 20070117**; CN 100445533 C 20081224; CN 1573088 A 20050202; DE 602004004313 D1 20070308; DE 602004004313 T2 20071018; GB 0412046 D0 20040630; GB 2402490 A 20041208; GB 2402490 B 20061220; JP 2004353508 A 20041216; MY 136810 A 20081128

DOCDB simple family (application)

**EP 04253156 A 20040528**; CN 200410048804 A 20040528; DE 602004004313 T 20040528; GB 0412046 A 20040528; JP 2003150312 A 20030528; MY PI20042028 A 20040527