

Title (en)

Attachment structure for engine fuel pump

Title (de)

Verbindungsstruktur für eine Brennstoffpumpe einer Brennkraftmaschine

Title (fr)

Structure de fixation pour pompe de carburant d'un moteur

Publication

**EP 1741920 A3 20071128 (EN)**

Application

**EP 06014076 A 20060706**

Priority

JP 2005200226 A 20050708

Abstract (en)

[origin: EP1741920A2] A cast rear case (6) is provided on a front of an engine, and defines, with a front cover (7), a housing space for a timing chain mechanism. The rear case (6) includes an extension (11) extending outwardly in a sideways direction of the engine. A pump attachment portion (12) is formed on a surface of the extension (11) at a rear of the engine. A supply pump (4) is fastened to the pump attachment portion (12) by a bolt so that the supply pump (4) is driven by a crankshaft via chains of the timing chain mechanism. This provides secure support of the fuel pump (4) to be driven by a rotational force of the engine as a power source, without use of a dedicated bracket, and without lowering latitude in layout of other devices or accessories attached to a side of the engine.

IPC 8 full level

**F02M 39/00** (2006.01)

CPC (source: EP US)

**F02M 39/005** (2013.01 - EP US); **F02M 39/02** (2013.01 - EP)

Citation (search report)

- [X] JP 2001032722 A 20010206 - KUBOTA KK
- [Y] JP H0447160 A 19920217 - YANMAR DIESEL ENGINE CO
- [Y] US 6286475 B1 20010911 - PIERRO ENZO [GB]
- [DA] JP H11324698 A 19991126 - MAZDA MOTOR

Cited by

DE102008008259A1; CN107023426A; DE102017102589A1; CN108412609A; US10167775B2; DE102017102589B4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1741920 A2 20070110; EP 1741920 A3 20071128**; JP 2007016715 A 20070125

DOCDB simple family (application)

**EP 06014076 A 20060706**; JP 2005200226 A 20050708