

Title (en)
Unit housing for supporting auxiliary machineries of an engine

Title (de)
Trägergehäuse für Nebenaggregate für eine Brennkraftmaschine

Title (fr)
Carter support pour auxiliaires de moteur à combustion

Publication
EP 1211390 B1 20060712 (EN)

Application
EP 01128636 A 20011130

Priority
• JP 2000367627 A 20001201
• JP 2000368758 A 20001204
• JP 2000370679 A 20001205

Abstract (en)
[origin: EP1211390A1] A unit housing for supporting auxiliary machinery to be detachably attached to an engine body (1) of an engine (E) has a pump case (30) of a cooling water pump (P) and an oil filter case (40) integrally formed therewith. The oil filter case (40) is cylindrical and projects aslant from the unit housing (13). A recess is formed between the pump case (30) and the oil filter case (40), and another auxiliary machinery (G) such as an alternating-current generator is disposed in the recess. The oil filter case (40) has at least one mount portion (24) for mounting another auxiliary machinery (A). Ribs (R7, R15) are formed in the recess to connect the oil filter case (40) and the cooling water pump case (30). With this configuration, restriction in placement with auxiliary machineries can be removed, and it is possible to prevent auxiliary machineries from projecting out from the engine body and thereby disturbing compact design of the entire engine. <IMAGE>

IPC 8 full level
F01M 11/03 (2006.01); **F01P 5/12** (2006.01); **F02B 67/06** (2006.01); **F01P 5/10** (2006.01)

CPC (source: EP)
F01M 11/03 (2013.01); **F01P 5/12** (2013.01); **F02B 67/06** (2013.01); **F01M 2011/035** (2013.01); **F01P 5/10** (2013.01)

Citation (examination)
DE 4211896 A1 19931014 - DAIMLER BENZ AG [DE]

Cited by
CN103670584A; CN114517720A; EP2594762A1; CN106089358A; US8635984B2; CN112145250A; FR2983240A1; DE202006001340U1; DE102008013677B4; DE102004003231A1; DE102004003231B4; EP1953377A3; CN109723514A; DE102007004419B4; CN102061993A; CN106194423A; CN109281755A; DE202004018136U1; CN110259564A; DE102006024055A1; DE102006024055A8; CN1312387C; EP1498582A3; EP2383443A1; DE102008013677A1; US8783216B2; WO2006005328A1

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 1211390 A1 20020605; EP 1211390 B1 20060712; DE 60121410 D1 20060824; DE 60121410 T2 20061116

DOCDB simple family (application)
EP 01128636 A 20011130; DE 60121410 T 20011130