

Title (en)
Engine generator unit

Title (de)
Brennkraftmaschine-Generator-Baueinheit

Title (fr)
Combinaison moteur-générateur

Publication
EP 1054147 B1 20050727 (EN)

Application
EP 00110662 A 20000518

Priority
• JP 14071599 A 19990520
• JP 14236999 A 19990521

Abstract (en)
[origin: EP1054147A2] Muffler (102) connected to the exhaust-discharging end of an engine (40) is positioned above the engine (40) adjacent a fuel tank (90). Heat blocking cover (121) covers top and side portions of the muffler (102), and a fan cover (80), generally in the shape of a cylinder and extending close to the engine (40), covers an electric-power generator (50). Cooling fan device (60) is provided in a cooling-air inlet portion (81) of the fan cover (80) for introducing cooling air from the outside to the electric-power generator (50) covered with the fan cover (80). Engine-cooling air passage (112) having a cooling-air inlet portion (112a) that faces a cooling-air outlet portion (87) of the fan cover (80) is provided to cool an outer surface of the engine (40) by the cooling air flowing out through the cooling-air outlet portion (87) of the fan cover (80). The engine-cooling air passage (112) is branched upward to provide a separate muffler-cooling air passage (126) extending between the muffler (102) and the heat blocking cover (121) above the engine (40). Thus, the cooling air introduced from the outside is allowed to cool both the engine (40) and the muffler (102) after having cooled the electric-power generator (50). With such arrangements, the engine (40), generator (50) and muffler (102) can be cooled with enhanced efficiency in a very simple manner. <IMAGE>

IPC 1-7
F02B 63/04

IPC 8 full level
F02B 63/04 (2006.01); **F02B 75/16** (2006.01)

CPC (source: EP)
F02B 63/04 (2013.01); **F02B 75/16** (2013.01); **F02B 63/048** (2013.01); **F02B 2063/045** (2013.01)

Cited by
CN107420180A; WO2004001207A1; TWI635215B

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1054147 A2 20001122; **EP 1054147 A3 20020102**; **EP 1054147 B1 20050727**; DE 60021471 D1 20050901; DE 60021471 T2 20060112

DOCDB simple family (application)
EP 00110662 A 20000518; DE 60021471 T 20000518