

Title (en)  
Engine generator unit

Title (de)  
Brennkraftmaschine-Generator-Baueinheit

Title (fr)  
Combinaison moteur-générateur

Publication  
**EP 1054147 A2 20001122 (EN)**

Application  
**EP 00110662 A 20000518**

Priority  
• JP 14071599 A 19990520  
• JP 14236999 A 19990521

Abstract (en)  
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)

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• JP H036831 U 19910123  
• JP H0442494 U 19920410  
• JP H0379532 A 19910404 - TOSHIBA CORP

Cited by  
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