

Title (en)
A generator set

Title (de)
Generatorsatz

Title (fr)
Ensemble de générateur

Publication
EP 1887197 B1 20181017 (EN)

Application
EP 07113390 A 20070730

Priority
IT PR20060076 A 20060804

Abstract (en)
[origin: EP1887197A2] A generator set (1) comprises an endothermic engine (2) with its own drive shaft (3), an electrical generator (4) connected to said drive shaft (3) and coaxial to the endothermic engine (2), a fan (7) keyed on the drive shaft (3) and co-operating with a case (8) to define a cooling block (9) conveying cool air axially on the electrical generator (4) and on a head of the endothermic engine (2), a sound-proofing enclosure (10) containing the endothermic engine (2), the electrical generator (4) and the cooling block (9), a supplementary fan (11) keyed on the drive shaft (3) and positioned internally to the sound-proofing enclosure (10) and externally to said case (8), a conduit (12) positioned internally to the sound-proofing enclosure and co-operating with said supplementary fan (11) to convey a flow of cool air into an air filter (13) of the endothermic engine (2). Known sound-proofed direct-transmission generator sets have limited performance, because they are not provided with any system for cooling of the air filter or of the outer surface of the endothermic engine.

IPC 8 full level
F02B 63/04 (2006.01); **F01P 5/06** (2006.01); **F02M 35/06** (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP)
F01P 5/06 (2013.01); **F02B 63/04** (2013.01); **F02D 29/06** (2013.01); **F02B 63/044** (2013.01)

Cited by
CN103842633A; CN115726881A; CN102926897A; US9252640B2; WO2013067126A1; US10744586B2; US10786859B2; US8544425B2; US8890340B2; US9404417B2; US9755480B2; US10044243B2; US10181770B2; US11705779B2; US12074503B2

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