

Title (en)

Compact electricity generation set.

Title (de)

Kompaktes Stromerzeugungsaggregat.

Title (fr)

Groupe électrogène compact.

Publication

EP 0019523 A1 19801126 (FR)

Application

EP 80400626 A 19800508

Priority

FR 7911880 A 19790510

Abstract (en)

1. Compact electricity generation set constituted, in the interior of a casing (4) mounted on a mobile chassis (1), by an alternator (5) coupled to an internal combustion engine (6) and having a principal cooling circuit for the engine including a fan and a radiator (13) and a secondary cooling circuit (21-25) for the alternator, characterised in that the said cooling circuits being of substantially parallel flow, the secondary circuit comprises a casing (21-23) surrounding the coupling, a ventilation fan located in the interior of the said casing (21-23) and driven by the engine (6) and located between the alternator (5) and the said engine (6) in such fashion as to effect forced circulation, and ducts (24) on manifold boxes (25) arranged on the sides of the engine and open at their lower portion.

Abstract (fr)

Groupe électrogène compact, notamment pour la maintenance des avions. Selon l'invention, on adjoint au circuit de refroidissement du moteur un circuit de circulation forcée d'air grâce à une turbine contenue dans une lanterne (23) placée entre l'alternateur (5) et le moteur (6). Application: Groupe électrogène léger et compact fonctionnant à une température compatible avec les normes de sécurité de l'aviation.

IPC 1-7

F02B 63/04; **F01P 5/06**

IPC 8 full level

F01P 5/06 (2006.01); **F02B 63/04** (2006.01)

CPC (source: EP)

F01P 5/06 (2013.01); **F02B 63/04** (2013.01); **F02B 63/047** (2013.01); **F02B 2063/045** (2013.01)

Citation (search report)

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- FR 2335815 A1 19770715 - CONTRAVES AG [CH]
- DE 2134460 A1 19730118 - KIRSCH BERNHARD
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EP 0019523 A1 19801126; **EP 0019523 B1 19840201**; AT E6089 T1 19840215; ES 491279 A0 19801216; ES 8102269 A1 19801216; FR 2456419 A1 19801205; FR 2456419 B1 19841214

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