

Title (en)
MULTIPLE ENERGY GENERATOR WITH INTEGRATED THERMAL CYCLE

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Application
EP 86905867 A 19861016

Priority
FR 8515545 A 19851016

Abstract (en)
[origin: FR2588645A1] All-purpose multiple energy generator forming motor compressor with integrated thermal cycle and contained in a modular closed housing, driven by exploiting two heat sources having different temperatures acting on said housing (1) which comprises in combination an engine (4) with pistons driving a bank of multi-compressors (5) arranged orthogonally to the plan of said engine (4), and driven by a cam (12), integrally with a shaft (11) connected to the engine (5) via rods (9), and comprising in addition two cams (12 to 12b) driving the reinjection pistons (6) which are parallel to the plan of the compressors and connected to a thermal transfer capacity (3) with fluid loops (C1, C2, C3), including the evaporator (20) of the loop (C1) in intimate contact with a thermal accumulation material (20) and the envelope (21) partially contained in the closed house (1) and traversed by the drive fluide which is forced to circulate by means of a fly wheel (14) integral with the shaft (11), the material providing for an exhaust acceleration through a conduit (8A) traversing a material (8b) contained in (8c), it being understood that the pistons (6) send the condensed fluid back to the boiler (27) through the conduits (8) and that the engine (4) comprises a unique rotary distribution (7A) and exhaust (8) conduits connected by the chain (9A) to the shaft and cinematically interconnected (9C). The closed housing further comprises a lick recovery device (15, 16, 17) connected to a capacity for balancing the pressures (18) and for their reinjection into the thermal circuit.

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