

Title (en)

GENERATOR WITH ROTOR IN THE FORM OF A HEAT ENGINE WITH ROTARY CYLINDER

Title (de)

ALS BRENNKRAFTMASCHINE MIT ROTIERENDEM ZYLINDER AUSGEBILDETER ROTORGENERATOR

Title (fr)

GENERATRICE A ROTOR SOUS FORME DE MOTEUR THERMIQUE A CYLINDRE TOURNANT

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Abstract (en)

[origin: WO0159276A1] The invention concerns a current generator comprising a combustion chamber (12) delimited by a rotary cylinder (14) and a piston (16), means for transforming the piston (16) reciprocating translation movement into a rotating movement of the rotary cylinder (14), intake means (32) adapted to supply the combustion chamber (12) with fuel, exhaust means (34) capable of evacuating burnt gases from the combustion chamber (12), a first electromagnetic assembly (22) arranged on the periphery of the rotary cylinder (14) and a second electromagnetic assembly (24) mounted on a cylindrical frame (26), coaxial with the rotary cylinder (14), one of the two electromagnetic assemblies being capable of generating a permanent magnetic field and the other comprising at least a winding adapted to generate an induced current under the combined effect of the rotation and of the permanent magnetic field.

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