Title (en)

FREE PISTON ENGINE GENERATOR AND METHOD FOR PRODUCING ELECTRIC POWER

Title (de)

FREIKOLBENMOTOR UND VERFAHREN ZUR STROMERZEUGUNG

Title (fr)

GÉNÉRATEUR À MOTEUR À PISTON LIBRE ET MODE DE FONCTIONNEMENT POUR PRODUCTION D'ÉLECTRICITÉ

Publication

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Application

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Abstract (en)

[origin: WO2019201447A1] The present invention concerns an apparatus(1) for producing electric power, including a housing in which there are located a first rod (17a) carrying at its opposed ends a first and a third piston (15a, 15c) and a second rod (17b) carrying at its opposed ends a third and a fourth piston (15b, 15d), the first piston (15a) delimiting a first combustion chamber (5a), the second piston (15b)delimiting a second combustion chamber (5b), and the third and fourth pistons (15c, 15d) delimiting a central, common third combustion chamber (5c). Each rod (17a, 17b) moves by a reciprocating linear motion and the movement generated by the ignition in the combustion chamber delimited by the piston located at one end of the rod is braked every time by the compression in the combustion chamber delimited by the piston located at the opposed end of the same rod.Each rod is associated with a set of coils/ permanent magnets (25a, 25b) which face respective sets of stationary permanent magnets/ stationary coils (27a, 27b), so that electric power is generated thanks to the reciprocating linear motion of said rods.

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