Title (en)

DEVICE FOR CONVERSION OF THERMODYNAMIC ENERGY INTO ELECTRICAL ENERGY

Title (de)

VORRICHTUNG ZUR UMWANDLUNG THERMODYNAMISCHER ENERGIE IN ELEKTRISCHE ENERGIE

Title (fr)

DISPOSITIF DE CONVERSION D'ÉNERGIE THERMODYNAMIQUE EN ÉNERGIE ÉLECTRIQUE

Publication

EP 2100007 A1 20090916 (DE)

Application

EP 07846893 A 20071129

Priority

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- DE 102006056349 A 20061129

Abstract (en)

[origin: CA2673826A1] A device for conversion of thermodynamic energy into electrical energy, c omprises a piston/cylinder unit (16), a generator (18) and a controller (14) . The piston/cylinder unit (16) comprises a pressure cylinder (24) and a pis ton (26) arranged in the pressure cylinder (24) linearly displaceable by the volume change of a working medium. The generator (18) comprises a coil (22) and a magnet (20). The magnet (20) is coupled to the piston (26) such that a linear displacement of the piston (26) brings about a linear displacement of the magnet (20) within the coil (22). The controller (14) controls the wo rking stroke of the device depending on at least one measured process parame ter.

IPC 8 full level

F01B 23/10 (2006.01); **F02B 1/12** (2006.01); **H02K 7/18** (2006.01)

CPC (source: EP KR US)

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