Title (en)

METHOD AND DEVICE FOR CONVERTING THERMAL ENERGY INTO MECHANICAL WORK

Title (de)

VERFAHREN UND EINE VORRICHTUNG ZUR UMWANDLUNG THERMISCHER ENERGIE IN MECHANISCHE ARBEIT

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR CONVERTIR DE L'ÉNERGIE THERMIQUE EN ÉNERGIE MÉCANIQUE

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Application

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Abstract (en)

[origin: WO2007137315A2] The invention relates to a method for converting thermal energy into mechanical work. Said method comprises the following steps which are performed as a cycle: A liquid work medium is fed from a supply reservoir (1) to a work container (3); the work medium in the work container (3) is heated by a first heat exchanger (5); a sub-amount of the work medium flows from the work container (3) to a pneumatic-hydraulic-converter (8), a hydraulic medium from the pneumatic-hydraulic-converter (8) is compressed in a work machine (9) in order to convert the hydraulic work of the hydraulic medium into mechanical work; the work medium from the pneumatic-hydraulic-converter (8) is fed back into the supply reservoir (1) and the hydraulic medium is returned into the pneumatic-hydraulic-converter (8). The invention also relates to a device for carrying out said method.

IPC 8 full level

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