Title (en)

METHOD FOR CONVERTING HEAT ENERGY INTO MECHANICAL ENERGY WITH A LOW-PRESSURE EXPANSION DEVICE

Title (de)

VERFAHREN ZUR UMWANDLUNG VON WÄRMEENERGIE IN MECHANISCHE ENERGIE MIT EINER NIEDERDRUCK-ENTSPANNUNGSVORRICHTUNG

Title (fr)

PROCEDE DE CONVERSION D'ENERGIE THERMIQUE EN ENERGIE MECANIQUE PAR UN DISPOSITIF DE DETENTE BASSE TENSION

Publication

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Application

EP 04816348 A 20041222

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Abstract (en)

[origin: WO2005061858A1] The invention relates to a method for converting heat energy, which is produced in an evaporator (6), into mechanical energy by expanding a vaporous working medium which is evaporated in the evaporator (6) which is then expanded in an expansion device (2). According to the invention, expansion occurs in a low-pressure expansion device which is embodied in the form of a roller piston blower (2) wherein the working medium is expanded, thereby converting heat energy into mechanical energy.

IPC 8 full level

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