

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  
**EP 1702140 B1 20070822 (DE)**

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.

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EP 1706599 A1 20061004; EP 1706599 B1 20170215; EP 1706681 A1 20061004; ES 2293384 T3 20080316; ES 2624638 T3 20170717;  
US 2008134680 A1 20080612; US 2008289336 A1 20081127; US 7726128 B2 20100601; US 8132413 B2 20120313;  
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