

Title (en)  
THERMODYNAMIC MACHINE WITH CONTINUOUSLY CIRCULATING REFRIGERANT

Title (de)  
THERMODYNAMISCHE MASCHINE MIT KONTINUIERLICH ZIRKULIERENDEM KÄLTEMITTEL

Title (fr)  
MACHINE THERMODYNAMIQUE A FLUIDE FRIGORIGENE A CIRCULATION CONTINUE

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Application  
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Abstract (en)  
[origin: WO2006064118A2] The invention concerns a thermodynamic machine comprising a closed- circuit (2) circulating a refrigerant, a heat exchanger (3), a cold inlet (2f) and, at the exchanger output, a hot outlet (2c), at least one first variable-volume chamber (5<SUB>1</SUB>) acting on a mobile member communicating its movement to an output system (10) and a cooler (15). The invention is characterized in that the machine comprises at least one variable-volume chamber (21) controlled by the output system (10) by being interposed between the cold inlet (2f) of the circuit and the cooler outlet, said chamber (21) providing, for an operating cycle of the chamber, reinjection of liquid into the exchanger to maintain the pressure at the hot outlet (2c) of the circuit at a substantially constant value.

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