

Title (en)  
SELF-DRIVEN THERMAL COMPRESSION HEAT PUMP REFRIGERATION METHOD

Title (de)  
KÜHLVERFAHREN FÜR THERMISCHE SELBSTANGETRIEBENE KOMPRESSIOWÄRMEPUMPE

Title (fr)  
PROCÉDÉ DE RÉFRIGÉRATION DE POMPE À CHALEUR À COMPRESSION THERMIQUE AUTO-ENTRAÎNÉE

Publication  
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Application  
**EP 15812225 A 20150522**

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Abstract (en)  
The present invention relates to a self-driving heat compression-type heat pump refrigerating method. According to the method, high-temperature steam is prepared, with condensed heat generated by a heat compression-type heat pump refrigerating circulation system, as a driving heat source for heat compression-type heat pump refrigerating circulation system to drive the heat compression-type heat pump refrigerating circulation system. By consuming only a very small amount of electricity, the present invention can prepare the driving steam by using condensing heat generated by refrigerating media steam. The heat generated during the circulation of a system itself is used as a driving heat source, realizing refrigerating and heating. The present invention is highly efficient and energy-saving.

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