

Title (en)  
HEAT MANAGEMENT SYSTEM

Title (de)  
WÄRMEMANAGEMENTSYSTEM

Title (fr)  
SYSTÈME DE GESTION DE CHALEUR

Publication  
**EP 3982059 A1 20220413 (EN)**

Application  
**EP 20871421 A 20200925**

Priority  
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Abstract (en)  
The present application provides a heat management system. The heat management system comprises a compressor, a first heat exchanger, a first throttle device, a second heat exchanger, a third heat exchanger, and a fourth heat exchanger; the third heat exchanger comprises a first heat exchange portion used for circulating a refrigerant and a second heat exchange portion used for circulating a cooling liquid. The heat management system comprises a cooling mode. At the cooling mode, the outlet of the compressor, the first heat exchange portion, the first heat exchanger, the first throttle device, the second heat exchanger, and the inlet of the compressor are communicated with each other to form a first refrigerant loop, the second heat exchange portion and the fourth heat exchanger are communicated with each other to form a cooling liquid loop, and the cooling liquid in the second heat exchange portion can absorb the heat of the refrigerant in the first heat exchange portion. The fourth heat exchanger is located outside an air conditioning cabinet. The third heat exchanger is provided at the outlet of the compressor. At the cooling mode, the third heat exchanger can bear the heat exchange pressure of some of outdoor heat exchangers.

IPC 8 full level  
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CPC (source: CN EP US)  
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