

Title (en)
HEAT PUMP SYSTEM AND CONTROL METHOD THEREOF

Title (de)
HEIZPUMPENSYSTEM UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
SYSTÈME DE POMPE À CHALEUR ET SON PROCÉDÉ DE COMMANDE

Publication
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Application
EP 20215663 A 20201218

Priority
CN 202010758274 A 20200731

Abstract (en)
The present disclosure provides a heat pump system and a control method thereof. The heat pump system according to an embodiment includes: a compressor (4), a first flow path (100), a second flow path (200) and a third flow path (300); wherein the second end (14) of the first flow path (100), the second end (24) of the second flow path (200) and the second end (34) of the third flow path (300) are connected; two of the first end (11) of the first flow path (100), the first end (21) of the second flow path (200) and the first end (31) of the third flow path (300) are connected to the inlet (42) and outlet (41) of the compressor (4) in specific modes through a switching assembly (90), so that the heat pump system can operate in one or more of a cooling mode, a heating mode, a hot water preparing mode, and a cooling heat recovery mode.

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Citation (search report)

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- [A] WO 2015023354 A1 20150219 - CARRIER CORP [US]
- [A] EP 2610559 A2 20130703 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] EP 3415839 A1 20181219 - MITSUBISHI ELECTRIC CORP [JP]

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