

Title (en)
HEAT PUMP AND METHOD OF CONTROLLING HEAT PUMP

Title (de)
WÄRMEPUMPE UND VERFAHREN ZUR STEUERUNG DER WÄRMEPUMPE

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

Publication
EP 3587957 B1 20230830 (EN)

Application
EP 19182535 A 20190626

Priority
JP 2018123707 A 20180628

Abstract (en)
[origin: EP3587957A1] A heat pump (1) includes a four-way valve (11) which is configured to select a first channel through which a refrigerant discharged from a high-stage compressor (4) is introduced into the condenser (5) and a refrigerant supplied from an evaporator (7) is introduced into a low-stage compressor (3) and a second channel through which the refrigerant discharged from the high-stage compressor (4) is introduced into the evaporator (7) and the refrigerant supplied from the condenser (5) is introduced into the low-stage compressor (3), and a bypass flow path (12) through which the refrigerant supplied from the evaporator (7) is introduced into the low-stage compressor (3) without passing through the four-way valve or through which the refrigerant supplied from the evaporator (7) is introduced into the high-stage compressor (4) without passing through the four-way valve (11) and the low-stage compressor (3).

IPC 8 full level
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CPC (source: EP US)
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Cited by
CN116997755A

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