

Title (en)
HEAT PUMP HOT-WATER SUPPLY DEVICE

Title (de)
WÄRMEPUMPENARTIGE WARMWASSERVERSORGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE DISTRIBUTION D'EAU CHAUDE POUR POMPE À CHALEUR

Publication
EP 2645019 A1 20131002 (EN)

Application
EP 10859908 A 20101124

Priority
JP 2010006840 W 20101124

Abstract (en)
A heat pump type hot water supply apparatus 100 performs a reverse defrosting operation in which a refrigerant discharged from a compressor 1 is conducted to a pass 31 other than a pass 33 located at a lowermost position of an evaporator 13. After completion of the reverse defrosting operation, when the outside air temperature is a predetermined temperature or less and thereafter a predetermined time has elapsed and a difference between a shell temperature of the compressor 1 and a low pressure saturation temperature becomes a predetermined value or less, the refrigerant discharged from the compressor 1 is branched off between the compressor 1 and the four-way valve 2, and is conducted to the pass 33 located at the lowermost position of the evaporator 13 such that the refrigerant flows in parallel to the water heat exchanger 3 until the predetermined time has elapsed.

IPC 8 full level
F25B 47/02 (2006.01)

CPC (source: EP US)
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Cited by
CN113294945A; CN113348333A; EP3922928A4; CN106595116A

Designated contracting state (EPC)
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