

Title (en)
AIR CONDITIONING AND HOT WATER SUPPLY DEVICE

Title (de)
KLIMAANLAGE UND HEISSWASSERVERSORGUNGSSYSTEM

Title (fr)
DISPOSITIF DE CLIMATISATION ET D'ALIMENTATION EN EAU CHAUDE

Publication
EP 3859238 A4 20220518 (EN)

Application
EP 18935979 A 20180926

Priority
JP 2018035793 W 20180926

Abstract (en)
[origin: EP3859238A1] Provided is an air-conditioning hot-water-supply device configured so that hot-water supply operation and the like can be properly performed. The air-conditioning hot-water-supply device (W) includes a refrigerant circuit Q in which refrigerant circulates sequentially through a compressor (1), a hot-water-supply heat exchanger (3), an expansion valve (11), and an outdoor heat exchanger (4). Further, the air-conditioning hot-water-supply device (W) includes a check valve (15) provided at a pipe (ke) connecting a low-pressure-side connection port (he) of a four-way valve (8) and a suction side of the compressor (1). An expansion valve (10) blocks between a high-pressure-side connection port (hg) of the four-way valve (8) and a discharge side of the compressor (1). The check valve (15) allows a refrigerant flow from the four-way valve (8) to the suction side of the compressor (1) through the pipe (ke) and inhibits a flow in an opposite direction.

IPC 8 full level
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F25B 2313/0231 (2013.01 - EP); **F25B 2313/0233** (2013.01 - EP); **F25B 2339/047** (2013.01 - EP); **F25B 2400/04** (2013.01 - EP)

Citation (search report)

- [Y] JP H05296604 A 19931109 - DAIKIN IND LTD
- [Y] JP H10122684 A 19980515 - DAIKIN IND LTD
- [Y] WO 2018078729 A1 20180503 - MITSUBISHI ELECTRIC CORP [JP]
- See also references of WO 2020065791A1

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EP4299992A1; EP4310416A1

Designated contracting state (EPC)
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