

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)

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- [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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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 18935979 A 20180926**; CN 201880075252 A 20180926; JP 2018035793 W 20180926; JP 2019545386 A 20180926