

Title (en)  
HEAT MEDIUM CIRCULATION DEVICE

Title (de)  
VORRICHTUNG ZUR ZIRKULATION EINES HEIZMEDIUMS

Title (fr)  
DISPOSITIF DE CIRCULATION DE MILIEU CALOPORTEUR

Publication  
**EP 4325129 A1 20240221 (EN)**

Application  
**EP 23190651 A 20230809**

Priority  
JP 2022129792 A 20220817

Abstract (en)  
[Object] It is an object of the present invention to provide a heat medium circulation device capable of placing a gas-liquid separating section and a pressure relief valve in a limited space.[Solving means] A heat medium circulation device of the present invention including: a refrigerant circuit 10 to which a compressor 11, a use-side heat exchanger 12, an expansion device 13 and a heat source-side heat exchanger 14 are connected, and through which refrigerant circulates; a heat medium circuit 20 which circulates heat medium cooled or heated by the refrigerant discharged out from the compressor 11 in the use-side heat exchanger 12 through a use-side terminal 1; a gas-liquid separating section 30 for separating gas in the heat medium circuit 20 from the heat medium; and a pressure relief valve 40 for releasing the heat medium circuit 20 into atmosphere when pressure in the heat medium circuit 20 becomes equal to or higher than predetermined pressure; wherein the pressure relief valve 40 is connected to the gas-liquid separating section 30.

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Citation (search report)  
• [XY] EP 3734198 A1 20201104 - WOLF GMBH [DE]  
• [XYI] WO 2022156913 A1 20220728 - WOLF GMBH [DE]  
• [XYI] DE 102020103743 A1 20210819 - VIESSMANN WERKE KG [DE]

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