

Title (en)
METHOD OF OPERATING A REFRIGERATION CYCLE APPARATUS

Title (de)
VERFAHREN ZUM BETRIEB EINER KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
PROCÉDÉ DE FONCTIONNEMENT D'UN APPAREIL À CYCLE FRIGORIFIQUE

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Application
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Abstract (en)
[origin: WO2022073556A1] The invention relates to a method of operating a refrigeration cycle apparatus, wherein a compressor (1) is used to compress a coolant, wherein the compressed coolant is fed to a condenser (2) for release of heat, wherein coolant condensed in the condenser (2) is later fed to a primary side (3.1) of an internal heat exchanger (3) for release of heat, wherein the coolant cooled down on the primary side (3.1) of the internal heat exchanger (3) is guided through an expansion device (4), wherein the coolant expanded in the expansion device (4) is fed to an evaporator (5) for absorption of heat, wherein the coolant evaporated in the evaporator (5) is later fed to a secondary side (3.2) of the internal heat exchanger (3) for absorption of heat, wherein the coolant heated on the secondary side (3.2) of the internal heat exchanger (3) is fed to the compressor (1). What is envisaged according to the invention is that, for suction gas temperature control, an amount of heat transferred from the primary side (3.1) to the secondary side (3.2) of the internal heat exchanger (3) is controlled with the aid of an additional expansion device (6) arranged parallel to the heat exchanger (3) and between the condenser (2) and the evaporator (5).

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