

Title (en)
REFRIGERANT LEAKAGE DETERMINATION DEVICE, CONTROL DEVICE, REFRIGERANT LEAKAGE DETERMINATION PROGRAM, AND REFRIGERANT LEAKAGE DETERMINATION METHOD

Title (de)
KÄLTEMITTELLECKAGEBESTIMMUNGSVORRICHTUNG, STEUERUNGSVORRICHTUNG, KÄLTEMITTELLECKAGEBESTIMMUNGSPROGRAMM UND KÄLTEMITTELLECKAGEBESTIMMUNGSVERFAHREN

Title (fr)
DISPOSITIF DE DÉTERMINATION DE FUITE DE FLUIDE FRIGORIFIQUE, DISPOSITIF DE COMMANDE, PROGRAMME DE DÉTERMINATION DE FUITE DE FLUIDE FRIGORIFIQUE ET PROCÉDÉ DE DÉTERMINATION DE FUITE DE FLUIDE FRIGORIFIQUE

Publication
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Application
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Priority
JP 2021020162 W 20210527

Abstract (en)
[origin: WO2022249387A1] A refrigerant leakage determination device (300) comprises a refrigeration cycle device (100), a connection device (105A, 105B), and a control device (200). The refrigeration cycle device (100) is configured from an indoor unit (100A) and an outdoor unit (100B). The refrigeration cycle device (100) has a refrigerant circuit (120) and performs a refrigeration cycle in which a refrigerant circulates through the refrigerant circuit (120). The connection device (105A, 105B) has a communication port that communicates with the internal space of the refrigerant circuit (120), and is connected to a pressure sensor (104) that measures the refrigerant pressure in the internal space. The control device (200) causes the refrigeration cycle device (100) to perform oil recovery operation to collect oil in the refrigerant circuit (120) to a compressor (109), and determines refrigerant leakage from the refrigerant circuit (120) by comparing a reference pressure with the refrigerant pressure measured by the pressure sensor (104) after the oil recovery operation.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

- [I] JP 2007163107 A 20070628 - DAIKIN IND LTD
- [A] JP H04225769 A 19920814 - MITSUBISHI HEAVY IND LTD
- [A] JP 2002213847 A 20020731 - BEHR GMBH & CO
- See also references of WO 2022249387A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

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DOCDB simple family (application)
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