

Title (en)

MONITORING DEVICE AND METHOD FOR AIR CONDITIONER

Title (de)

ÜBERWACHUNGSVORRICHTUNG UND VERFAHREN FÜR EINE KLIMAANLAGE

Title (fr)

DISPOSITIF ET PROCÉDÉ DE SUIVI POUR CLIMATISEUR

Publication

EP 3290816 A1 20180307 (EN)

Application

EP 15890718 A 20150428

Priority

JP 2015062807 W 20150428

Abstract (en)

According to the present invention, provided is a monitoring apparatus for monitoring air-conditioning apparatuses (109), the air-conditioning apparatuses each being configured to perform air-conditioning of a target space and each including a refrigerant circuit in which the refrigerant is circulated, the refrigerant circuit including at least a compressor (1), a heat source-side heat exchanger (3), an expansion device, and a use-side heat exchanger. The monitoring apparatus (109) includes: a storage device (105) configured to store operation data indicating an operation state of each of the air-conditioning apparatuses (101); and a monitoring processing device configured to perform abnormality detection by extracting, from the storage device (105), operation data that is within a range of equality in an extraction condition including a kind of the refrigerant and a specification of a device included in a first air-conditioning apparatus (101 a) that is a target of monitoring by the monitoring apparatus; and comparing the extracted operation data with operation data of the air-conditioning apparatus (101 a) that is the target of monitoring.

CPC (source: EP US)

F24F 11/30 (2018.01 - EP); **F24F 11/32** (2018.01 - EP); **F24F 11/49** (2018.01 - EP); **F24F 11/64** (2018.01 - EP); **F24F 11/89** (2018.01 - US); **F25B 2500/222** (2013.01 - EP)

Cited by

EP4155630A4; US2022034568A1; US12007153B2; US11204184B2

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

DOCDB simple family (publication)

EP 3290816 A1 20180307; **EP 3290816 A4 20181205**; **EP 3290816 B1 20240131**; JP WO2016174734 A1 20171130; WO 2016174734 A1 20161103

DOCDB simple family (application)

EP 15890718 A 20150428; JP 2015062807 W 20150428; JP 2017515320 A 20150428