

Title (en)

SYSTEMS AND METHODS FOR MONITORING ELECTRICAL COMPONENTS OF A CHILLER SYSTEM

Title (de)

SYSTEME UND VERFAHREN ZUR ÜBERWACHUNG ELEKTRISCHER KOMPONENTEN EINES KÜHLERSYSTEMS

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR LA SURVEILLANCE DE COMPOSANTS ÉLECTRIQUES D'UN SYSTÈME DE REFROIDISSEUR

Publication

**EP 4295089 A1 20231227 (EN)**

Application

**EP 22757014 A 20220218**

Priority

- US 202163151418 P 20210219
- US 2022017018 W 20220218

Abstract (en)

[origin: WO2022178275A1] A monitoring system is configured to monitor an environment within an enclosure of a heating, ventilation, air conditioning, and/or refrigeration (HVAC&R) system. The monitoring system includes a sensor configured to acquire data indicative of an environmental parameter value within the enclosure. The monitoring system also includes a controller configured to receive the data from the sensor, to determine occurrence of a thermal event within the enclosure based on the data, and to instruct a circuit breaker of the HVAC&R system to transition to a fault configuration in response to determining the occurrence of the thermal event.

IPC 8 full level

**F24F 11/38** (2018.01); **F24F 11/52** (2018.01); **F24F 11/62** (2018.01); **F24F 11/88** (2018.01); **F24F 11/89** (2018.01); **F25B 25/00** (2006.01); **F25B 49/00** (2006.01)

CPC (source: EP KR US)

**F24F 11/38** (2018.01 - EP KR US); **F24F 11/52** (2018.01 - US); **F24F 11/62** (2018.01 - EP KR); **F24F 11/88** (2018.01 - KR US); **F24F 11/89** (2018.01 - US); **F25B 49/02** (2013.01 - US); **F24F 11/52** (2018.01 - EP); **F24F 11/64** (2018.01 - EP); **F24F 11/89** (2018.01 - EP); **F24F 2110/64** (2018.01 - EP KR US); **F24F 2110/72** (2018.01 - EP KR US); **F24F 2140/00** (2018.01 - KR); **F25B 25/005** (2013.01 - EP); **F25B 41/39** (2021.01 - EP); **F25B 49/005** (2013.01 - EP); **F25B 2339/047** (2013.01 - EP); **F25B 2400/13** (2013.01 - EP); **F25B 2400/23** (2013.01 - EP)

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

DOCDB simple family (publication)

**WO 2022178275 A1 20220825**; CN 116981892 A 20231031; EP 4295089 A1 20231227; KR 20230148345 A 20231024; TW 202235787 A 20220916; US 2024125500 A1 20240418

DOCDB simple family (application)

**US 2022017018 W 20220218**; CN 202280019949 A 20220218; EP 22757014 A 20220218; KR 20237032084 A 20220218; TW 111106084 A 20220218; US 202218277556 A 20220218