

Title (en)

ELECTRIC DEVICE FOR SENSING TEMPERATURES OF HOTSPOTS OF A SWITCHGEAR

Title (de)

ELEKTRISCHE VORRICHTUNG ZUR ERFASSUNG VON HOTSPOT-TEMPERATUREN EINER SCHALTANLAGE

Title (fr)

DISPOSITIF ÉLECTRIQUE POUR DÉTECTION DE TEMPÉRATURES DE POINTS CHAUDS D'UN APPAREILLAGE DE COMMUTATION

Publication

EP 4248228 A1 20230927 (EN)

Application

EP 20961923 A 20201119

Priority

CN 2020130034 W 20201119

Abstract (en)

[origin: WO2022104632A1] Embodiments of present disclosure relates to an electric device for sensing temperatures of hotspots of a switchgear. The electric device comprises an energy harvester, a first interface terminal and a wireless circuit. The energy harvester is configured to harvest energy of a switchgear. The first interface terminal is configured to interface with a second interface terminal of the switchgear to receive a first temperature signal from the second interface terminal. The first temperature signal indicates a first temperature sensed by a first temperature sensor in the switchgear. The wireless circuit is coupled to the energy harvester and the first interface terminal, and configured to wirelessly transmit a first wireless signal with power supplied from the energy harvester. The first wireless signal is associated with the first temperature signal. By utilizing embodiments herein, the electric device can be replaced without de-energization of the switchgear.

IPC 8 full level

G01R 31/327 (2006.01)

CPC (source: EP)

G01R 31/327 (2013.01)

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 2022104632 A1 20220527; CN 116601507 A 20230815; EP 4248228 A1 20230927

DOCDB simple family (application)

CN 2020130034 W 20201119; CN 202080106789 A 20201119; EP 20961923 A 20201119