

Title (en)

MONITORING OF AN ENERGY PARAMETER IN A DISTRIBUTION STATION

Title (de)

ÜBERWACHUNG EINES ENERGIEPARAMETERS IN EINER VERTEILSTATION

Title (fr)

SURVEILLANCE D'UN PARAMÈTRE D'ÉNERGIE DANS UNE STATION DE DISTRIBUTION

Publication

**EP 3688861 A1 20200805 (DE)**

Application

**EP 18733598 A 20180622**

Priority

- DE 102017122283 A 20170926
- EP 2018066808 W 20180622

Abstract (en)

[origin: WO2019063147A1] The invention relates to a monitoring device (14) for monitoring an energy parameter in a distribution station (12), the monitoring device for applying to a voltage conductor (20) being arranged in the distribution station and comprising: device ID (32) for clearly identifying the monitoring device, which is designed to be read out in the direct spatial vicinity; a measuring unit (30) for measuring a current intensity and/or a voltage of an alternating current flowing through the voltage conductor; an evaluation unit (34) for determining the energy parameter based on the measured current intensity and/or voltage; and a communication unit (36) for receiving a request from a reading device (16) and for transmitting the energy parameter to the reading device when the received request contains access information based on the device ID. The invention also relates to a reading appliance (16) and to a monitoring system (10), to a method for monitoring an energy parameter, and to a method for reading a monitoring appliance (14).

IPC 8 full level

**H02J 13/00** (2006.01); **G01R 15/18** (2006.01); **G01R 19/30** (2006.01)

CPC (source: EP US)

**G01D 21/00** (2013.01 - EP); **G01R 15/186** (2013.01 - US); **G01R 19/0092** (2013.01 - US); **G01D 4/002** (2013.01 - EP); **G01D 2204/43** (2021.05 - EP); **G01R 15/186** (2013.01 - EP)

Citation (search report)

See references of WO 2019063147A1

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)

**DE 102017122283 B3 20180920**; EP 3688861 A1 20200805; US 11255882 B2 20220222; US 2020278384 A1 20200903; WO 2019063147 A1 20190404

DOCDB simple family (application)

**DE 102017122283 A 20170926**; EP 18733598 A 20180622; EP 2018066808 W 20180622; US 201816650830 A 20180622