

Title (en)

METHOD AND SYSTEM FOR DETERMINING THE EXPECTED USEFUL LIFE OF ELECTRICAL APPARATUS

Title (de)

VERFAHREN UND SYSTEM ZUM BESTIMMEN EINER ERWARTETEN LEBENSDAUER EINES ELEKTRISCHEN BETRIEBSMITTELS

Title (fr)

PROCÉDÉ ET SYSTÈME DE DÉTERMINATION D'UNE DURÉE DE VIE ATTENDUE D'UN MOYEN DE FONCTIONNEMENT ÉLECTRIQUE

Publication

**EP 3577634 A1 20191211 (DE)**

Application

**EP 18707299 A 20180215**

Priority

- DE 102017203836 A 20170308
- EP 2018053749 W 20180215

Abstract (en)

[origin: WO2018162198A1] The invention relates to a method (1) and a system for determining the expected useful life (14) of electrical apparatus (21, 22, 23, 24) in relation to a reference point in time (7). According to said method (1), an ageing model (2) is provided, which describes the ageing behaviour of the apparatus (21, 22, 23, 24). In addition, a value (3) of at least one electrical operating parameter of the apparatus (21, 22, 23, 24) is detected during the operation of the apparatus (21, 22, 23, 24). Furthermore, the ageing model (2) is adapted according to the detected value (3) and the expected useful life (14) of the apparatus (21, 22, 23, 24) is determined on the basis of the adapted ageing model.

IPC 8 full level

**G05B 23/02** (2006.01); **G07C 3/00** (2006.01)

CPC (source: EP US)

**G05B 23/0283** (2013.01 - EP); **G06N 3/08** (2013.01 - US); **G07C 3/00** (2013.01 - EP); **G07C 3/02** (2013.01 - US)

Citation (search report)

See references of WO 2018162198A1

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)

**WO 2018162198 A1 20180913**; DE 102017203836 A1 20180913; EP 3577634 A1 20191211; US 2020020178 A1 20200116

DOCDB simple family (application)

**EP 2018053749 W 20180215**; DE 102017203836 A 20170308; EP 18707299 A 20180215; US 201816491341 A 20180215