

Title (en)

METHOD AND SYSTEM FOR DETECTING AN INTERMITTENT DEFECT IN A TRANSMISSION LINE BY MEANS OF FILTERING

Title (de)

VERFAHREN UND SYSTEM ZUR ERKENNUNG EINES INTERMITTIERENDEN DEFEKTS IN EINER ÜBERTRAGUNGSLEITUNG MITTELS FILTERUNG

Title (fr)

PROCEDE ET SYSTEME DE DETECTION D'UN DEFAUT INTERMITTENT DANS UNE LIGNE DE TRANSMISSION, PAR FILTRAGE

Publication

**EP 3612849 A1 20200226 (FR)**

Application

**EP 18720178 A 20180418**

Priority

- FR 1753368 A 20170419
- EP 2018059836 W 20180418

Abstract (en)

[origin: WO2018192939A1] Method for detecting an intermittent defect in a transmission line, comprising the following steps: - acquiring (901), at a point on the line, by means of a measuring device, a temporal measurement of a reference signal previously injected into the line by means of an injection device, reflected onto a singularity on the line and retro-propagated towards said point, - filtering (902) the temporal measurement of the signal using at least one predetermined filter according to the spectral signature of a given type of defect, - calculating (903) the intercorrelation between at least one filtered signal and the reference signal to produce at least one temporal reflectogram, - analysing (904) said at least one temporal reflectogram to characterise the possible presence of at least one intermittent defect on the transmission line.

IPC 8 full level

**G01R 31/11** (2006.01)

CPC (source: EP US)

**G01R 31/088** (2013.01 - US); **G01R 31/11** (2013.01 - EP US)

Citation (search report)

See references of WO 2018192939A1

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 2018192939 A1 20181025**; EP 3612849 A1 20200226; FR 3065534 A1 20181026; FR 3065534 B1 20190419; US 2020124656 A1 20200423

DOCDB simple family (application)

**EP 2018059836 W 20180418**; EP 18720178 A 20180418; FR 1753368 A 20170419; US 201816605795 A 20180418