

Title (en)

BINARY REFLECTOMETRY SYSTEM FOR ANALYSING FAULTS IN A TRANSMISSION LINE

Title (de)

SYSTEM ZUR BINÄREN REFLEKTOMETRIE ZUR ANALYSE VON FEHLERN IN EINER ÜBERTRAGUNGSLEITUNG

Title (fr)

SYSTEME DE REFLECTOMETRIE BINAIRE POUR L'ANALYSE DE DEFAUTS DANS UNE LIGNE DE TRANSMISSION

Publication

EP 3797306 A1 20210331 (FR)

Application

EP 19724835 A 20190520

Priority

- FR 1854285 A 20180523
- FR 1856741 A 20180720
- EP 2019062919 W 20190520

Abstract (en)

[origin: US2021255230A1] A reflectometry system for analyzing faults in a transmission line, a reference signal being generated, in an initial step, and injected in the transmission line, the system includes a device (CPL) for acquiring the analog signal back-propagated in the transmission line, an equalization circuit (EGA) configured for equalizing the amplitudes obtained on the reflectogram for the peaks of the injected signal after its point of injection into the transmission line and of the signal reflected on the end of the transmission line, a binarization device (B) for converting the back-propagated analog signal into a signal digitized over two quantization levels, a correlator (COR) configured for correlating the digitized signal with the reference signal in order to produce a time-domain reflectogram, a module for analyzing the time-domain reflectogram in order to identify the presence of faults in the transmission line.

IPC 8 full level

G01R 27/06 (2006.01); **G01R 31/08** (2020.01); **G01R 31/11** (2006.01)

CPC (source: EP US)

G01R 31/11 (2013.01 - EP US)

Citation (search report)

See references of WO 2019224137A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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