

Title (en)

METHOD AND MEASURING ASSEMBLY FOR DETECTING FAULTS ON ELECTRICAL LINES

Title (de)

VERFAHREN UND MESSANORDNUNG ZUR FEHLERERKENNUNG AUF ELEKTRISCHEN LEITUNGEN

Title (fr)

PROCÉDÉ ET ARRANGEMENT DE MESURE POUR LA DÉTECTION DE DÉFAUTS SUR DES LIGNES ÉLECTRIQUES

Publication

EP 3857242 A1 20210804 (DE)

Application

EP 19801486 A 20191021

Priority

- DE 102018219959 A 20181121
- EP 2019078502 W 20191021

Abstract (en)

[origin: WO2020104124A1] The present invention relates to a method for detecting faults on an electrical line (6), in which a measurement signal is fed to a first location (11) on the line (6) by means of a measuring assembly (7, 8, 9, 10), and a reflected measurement signal is received at the first location (11), and a fault location on the line (6) is determined on the basis of the period of time until the reflected measurement signal is received and by considering a line attenuation, characterised in that a reflection location (12) on the line (6) where the measurement signal is reflected is used, and the line attenuation is determined on the basis of the level of the reflected measurement signal received at the first location (11). The invention further relates to a corresponding measuring assembly.

IPC 8 full level

G01R 31/11 (2006.01); **G01R 27/32** (2006.01); **G01R 31/58** (2020.01); **G01R 35/00** (2006.01)

CPC (source: EP US)

G01R 31/11 (2013.01 - EP US); **G01R 31/52** (2020.01 - US); **G01R 27/32** (2013.01 - EP); **G01R 35/005** (2013.01 - EP)

Citation (search report)

See references of WO 2020104124A1

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 2020104124 A1 20200528; BR 112021009736 A2 20210817; DE 102018219959 A1 20200528; EP 3857242 A1 20210804; US 11867742 B2 20240109; US 2022011359 A1 20220113

DOCDB simple family (application)

EP 2019078502 W 20191021; BR 112021009736 A 20191021; DE 102018219959 A 20181121; EP 19801486 A 20191021; US 201917295970 A 20191021