

Title (en)

LOCATING A GROUND FAULT IN A DC SYSTEM

Title (de)

ORTEN EINES ERDSCHLUSSES IN EINEM GLEICHSTROMNETZ

Title (fr)

LOCALISATION D'UN DÉFAUT À LA TERRE DANS UN RÉSEAU DE COURANT CONTINU

Publication

EP 3918683 A1 20211208 (DE)

Application

EP 20710872 A 20200306

Priority

- EP 19163394 A 20190318
- EP 2020056010 W 20200306

Abstract (en)

[origin: WO2020187608A1] The invention relates to a method for locating a ground fault in a DC system (1) to which a plurality of load zones (3, 4, 5) can be connected. The method comprises: specifying a time window and, after the ground fault is detected, assigning the ground fault to a load zone (3, 4, 5) which was connected to the DC system (1) within the time window before the detection of the ground fault.

IPC 8 full level

H02H 3/16 (2006.01); **G01R 31/08** (2020.01); **G01R 31/52** (2020.01); **H02H 3/04** (2006.01); **H02H 7/26** (2006.01); **H02J 1/06** (2006.01);
H02J 13/00 (2006.01)

CPC (source: EP US)

G01R 31/086 (2013.01 - EP); **G01R 31/52** (2020.01 - EP US); **H02H 1/0007** (2013.01 - US); **H02H 3/042** (2013.01 - EP US);
H02H 3/16 (2013.01 - EP US); **H02H 7/262** (2013.01 - EP); **H02H 7/268** (2013.01 - EP US); **H02J 13/0006** (2020.01 - EP);
H02J 1/06 (2013.01 - EP); **Y02E 60/00** (2013.01 - EP); **Y04S 10/52** (2013.01 - EP); **Y04S 40/12** (2013.01 - EP)

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)

EP 3713029 A1 20200923; CN 113795992 A 20211214; EP 3918683 A1 20211208; US 12007452 B2 20240611; US 2022146594 A1 20220512;
WO 2020187608 A1 20200924

DOCDB simple family (application)

EP 19163394 A 20190318; CN 202080033655 A 20200306; EP 2020056010 W 20200306; EP 20710872 A 20200306;
US 202017439110 A 20200306