Title (en)

DEVICE AND METHOD FOR TESTING THE STATE OF THE CONNECTION OF A LOAD CONNECTED TO A CONNECTION POINT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM TESTEN DES ZUSTANDS DER VERBINDUNG EINER MIT EINEM VERBINDUNGSPUNKT VERBUNDENEN LAST

Title (fr)

DISPOSITIF ET PROCÉDÉ DESTINÉS À VÉRIFIER L'ÉTAT DE LA CONNEXION D'UNE CHARGE CONNECTÉE À UN POINT DE CONNEXION

Publication

EP 2780579 A1 20140924 (DE)

Application

EP 12797767 A 20121114

Priority

- DE 102011086412 A 20111115
- EP 2012072650 W 20121114

Abstract (en)

[origin: WO2013072385A1] The invention relates to a device and a method for testing the connection of a load (L) connected to a connection point (1). The connection point (5) is formed between a first switching element (HS), which is connected between a high supply voltage potential (VDD5_IGN) and the connection point (5), and a second switching element (LS), which is connected between the connection point (5) and a low supply voltage potential (⊥). When the two switching elements (HS, LS) are switched off, a potential is built up at the connection point (5) by means of at least one voltage or current source (3) connected to the connection point (5), and a potential analyzing circuit (4) checks whether the potential (VOUT) lies in a defined potential range. If this is the case, it is concluded that a line between the connection point (5) and the load (L) has been interrupted.

IPC 8 full level

G01R 31/00 (2006.01); **G01R 31/327** (2006.01); G01R 31/50 (2020.01)

CPC (source: EP US)

G01R 31/3277 (2013.01 - EP US); **G01R 31/67** (2020.01 - US); G01R 31/007 (2013.01 - EP US); G01R 31/50 (2020.01 - EP US); G01R 31/52 (2020.01 - EP US)

Citation (search report)

See references of WO 2013072385A1

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

DOCDB simple family (publication)

DE 102011086412 A1 20130516; **DE 102011086412 B4 20230615**; EP 2780579 A1 20140924; US 2014327450 A1 20141106; WO 2013072385 A1 20130523

DOCDB simple family (application)

DE 102011086412 A 20111115; EP 12797767 A 20121114; EP 2012072650 W 20121114; US 201214358261 A 20121114