

Title (en)

NON-INVASIVE DEVICE FOR DIAGNOSING OPERATIONAL DEFECT(S) IN AT LEAST ONE COMMUNICATION NETWORK

Title (de)

NICHTINVASIVE EINRICHTUNG ZUM DIAGNOSTIZIEREN VON BETRIEBSDEFEKT(EN) IN MINDESTENS EINEM KOMMUNIKATIONSNETZ

Title (fr)

DISPOSITIF NON INTRUSIF DE DIAGNOSTIC DE DÉFAUT(S) DE FONCTIONNEMENT DANS AU MOINS UN RÉSEAU DE COMMUNICATION

Publication

**EP 2422490 A1 20120229 (FR)**

Application

**EP 10723673 A 20100414**

Priority

- FR 2010050719 W 20100414
- FR 0952594 A 20090421

Abstract (en)

[origin: WO2010122255A1] The invention relates to a device (D) that is dedicated to detecting operational defect(s) in at least one communication network (CN) having access to a bus (BU). Said device (D) includes: i) connection means (CM1) capable of being connected onto the bus (BU) with a bypass to access the voltages (V1, V2) therein; ii) detection means (DM) arranged to analyze said voltages (V1, V2) to deliver a first signal (S1) representative of the presence of data in the network (CN) and a second signal (S2) representative of the operating status of the network (CN); iii) processing means (MT1) arranged to output, from first (S1) and/or second (S2) signals and/or third signals (S311-S322), each representative of a comparison result between one of the voltages (V1, V2) and at least one reference voltage, at least a fourth signal (S41-S46) representative of a defect or of an absence of defects; and v) display means (DM1) arranged to signal each operational defect or absence of operational defects represented by a fourth output signal (S41S46).

IPC 8 full level

**H04L 12/26** (2006.01); **G01R 19/00** (2006.01); **H04L 12/10** (2006.01); **H04L 12/28** (2006.01); **H04L 12/40** (2006.01)

CPC (source: EP US)

**H04L 12/10** (2013.01 - EP); **H04L 12/40** (2013.01 - EP); **H04L 12/40032** (2013.01 - EP US); **H04L 41/22** (2013.01 - EP); **G01R 19/0023** (2013.01 - EP); **G01R 31/52** (2020.01 - EP US)

Citation (search report)

See references of WO 2010122255A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**FR 2944661 A1 20101022; FR 2944661 B1 20120413; EP 2422490 A1 20120229; WO 2010122255 A1 20101028**

DOCDB simple family (application)

**FR 0952594 A 20090421; EP 10723673 A 20100414; FR 2010050719 W 20100414**