

Title (en)

Electronic device and method of detecting a proper cable connection

Title (de)

Elektronische Vorrichtung und Verfahren zum Erkennen einer angemessenen Kabelverbindung

Title (fr)

Dispositif électronique et procédé pour vérifier la connexion d'un câble

Publication

EP 2571112 A1 20130320 (EN)

Application

EP 11181131 A 20110913

Priority

EP 11181131 A 20110913

Abstract (en)

An electronic device, systems and methods are described for detecting whether there has been a proper cable connection when a plug is inserted into a socket. A pressure sensor configured to measure air pressure within the socket generates one or more pressure signals as a function of the air pressure, and a processor determines whether a proper cable connection has been made (whether the plug has been fully inserted into the socket) as a function of the pressure signals.

IPC 8 full level

G01D 1/00 (2006.01); **G01L 19/08** (2006.01); **H01R 13/66** (2006.01); **H01R 24/58** (2011.01)

CPC (source: EP)

H01R 13/6683 (2013.01); **H01R 24/58** (2013.01); **H01R 2201/16** (2013.01)

Citation (search report)

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- [Y] EP 2309232 A1 20110413 - BAUMER INNOTEC AG [CH]
- [A] WO 2005071364 A1 20050804 - BRITISH TELECOMM [GB], et al
- [A] US 2008234935 A1 20080925 - WOLF THOMAS G [US], et al

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CN104346259A

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)

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DOCDB simple family (application)

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