

Title (en)

DEVICE FOR CARRYING OUT WIDE-BAND ELECTRICAL SIGNAL TRANSMISSION WITH A MOBILE DIRECTIONAL COUPLER

Title (de)

VORRICHTUNG ZUR BREITBANDIGEN ELEKTRISCHEN SIGNALÜBERTRAGUNG MIT BEWEGLICHEM RICHTKOPPLER

Title (fr)

DISPOSITIF POUR LA TRANSMISSION ELECTRIQUE DE SIGNAUX A BANDE LARGE A COUPLEUR DIRECTIONNEL MOBILE

Publication

**EP 1282967 A1 20030212 (DE)**

Application

**EP 01947130 A 20010507**

Priority

- DE 0101708 W 20010507
- DE 10021671 A 20000505

Abstract (en)

[origin: WO0186899A1] The invention relates to a device for carrying out wide-band signal or power transmission between at least two units that can be moved in relation to one another along any trajectory. Said device is comprised of a first unit, which contains a symmetric open conductor structure consisting of a multitude of dummy elements closed at both ends in a reflection-free manner. The device also comprises at least one second unit containing a coupling unit for injecting or decoupling electrical signals. The invention is characterized in that the at least one second unit, which can move in relation to the first unit, comprises a driver stage for injecting signals into the first unit, and this unit at least occasionally injects signals into the conductor structure of the first unit.

IPC 1-7

**H04L 25/02**

IPC 8 full level

**G08C 17/00** (2006.01); **H01P 5/00** (2006.01); **H01P 5/18** (2006.01); **H02J 17/00** (2006.01); **H04B 3/60** (2006.01); **H04B 5/02** (2006.01); **H04L 25/02** (2006.01)

CPC (source: EP US)

**H04L 25/0266** (2013.01 - EP US)

Citation (search report)

See references of WO 0186899A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0186899 A1 20011115**; AU 6891901 A 20011120; DE 10021671 A1 20011115; DE 10191885 B4 20100916; DE 10191885 D2 20030417; EP 1282967 A1 20030212; JP 2003533130 A 20031105; US 2003132812 A1 20030717; US 6825737 B2 20041130

DOCDB simple family (application)

**DE 0101708 W 20010507**; AU 6891901 A 20010507; DE 10021671 A 20000505; DE 10191885 T 20010507; EP 01947130 A 20010507; JP 2001582994 A 20010507; US 28715802 A 20021104