

Title (en)
DEVICE FOR THE BROADBAND ELECTRICAL SIGNAL AND/OR ENERGY TRANSMISSION WITH DIRECTIONAL COUPLERS

Title (de)
VORRICHTUNG ZUR BREITBANDIGEN ELEKTRISCHEN SIGNAL- BZW. ENERGIEUEBERTRAGUNG MIT RICHTKOPPLERN

Title (fr)
DISPOSITIF DE TRANSMISSION D'ENERGIE ET DE SIGNAUX ELECTRIQUES A LARGE BANDE AU MOYEN DE COUPLEURS DIRECTIFS

Publication
EP 1285476 B1 20060621 (DE)

Application
EP 01944909 A 20010507

Priority
• DE 0101717 W 20010507
• DE 10021670 A 20000505

Abstract (en)
[origin: WO0186750A1] An arrangement for broadband signal and/or energy transmission, between at least two units is disclosed. Said units may be displaced relative to each other along a track. Said arrangement comprises a first unit, which has a symmetrical open circuit arrangement with at least one reflection-free closed end, within which an electromagnetic wave can propagate and at least one second unit with a coupling unit for the coupling and/or decoupling of electrical signals. The invention is characterised in that at least one of the at least one second units has a directional coupler for the coupling and/or decoupling of signals.

IPC 8 full level
H01P 1/06 (2006.01); **H01P 5/18** (2006.01)

CPC (source: EP US)
H01P 1/061 (2013.01 - EP US); **H01F 2038/146** (2013.01 - EP US)

Citation (examination)
WO 9829919 A1 19980709 - SCHLEIFRING & APPARATEBAU GMBH [DE], et al

Cited by
EP3103688B1

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 0186750 A1 20011115; AT E331309 T1 20060715; AU 6729801 A 20011120; DE 10021670 A1 20011115; DE 10191877 D2 20030417; DE 50110267 D1 20060803; EP 1285476 A1 20030226; EP 1285476 B1 20060621; JP 2003533114 A 20031105; US 2003132815 A1 20030717; US 7212101 B2 20070501

DOCDB simple family (application)
DE 0101717 W 20010507; AT 01944909 T 20010507; AU 6729801 A 20010507; DE 10021670 A 20000505; DE 10191877 T 20010507; DE 50110267 T 20010507; EP 01944909 A 20010507; JP 2001582865 A 20010507; US 28715902 A 20021104