

Title (en)
MULTILAYER WAVEGUIDE COMPRISING AT LEAST ONE DEVICE FOR TRANSITION BETWEEN THE LAYERS OF THIS MULTILAYER WAVEGUIDE

Title (de)
MEHRSCICHTIGER WELLENLEITER MIT MINDESTENS EINER VORRICHTUNG ZUM ÜBERGANG ZWISCHEN DEN SCHICHTEN DIESES MEHRSCICHTIGEN WELLENLEITERS

Title (fr)
GUIDE D'ONDE MULTICOUCHE COMPRENANT AU MOINS UN DISPOSITIF DE TRANSITION ENTRE DES COUCHES DE CE GUIDE D'ONDE MULTICOUCHE

Publication
EP 3529852 A1 20190828 (FR)

Application
EP 17783526 A 20171016

Priority
• FR 1660249 A 20161021
• EP 2017076359 W 20171016

Abstract (en)
[origin: WO2018073176A1] The invention relates to a multilayer electromagnetic waveguide (20) comprising a plurality of layers (25) forming guide channels (21) for an electromagnetic wave, and at least one transition device (28) comprising at least one dielectric layer (29) between two guide channels (21), referred to as coupled guide channels (21), extending as an extension, characterised in that: each transition device (28) comprises at least one adaptation channel extending in a longitudinal direction (31), each adaptation channel (30) being defined by two electrically conductive walls (36), at least one wall (36) extending along said dielectric spacer layer (29) from one end of the coupled guide channel (21), over a length suitable for optimising the transmission of an electromagnetic wave between the two coupled guide channels (21).

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H01P 5/02 (2006.01); **H04B 5/00** (2006.01)

CPC (source: EP US)
H01P 3/16 (2013.01 - US); **H01P 5/022** (2013.01 - US); **H01P 5/024** (2013.01 - EP)

Citation (search report)
See references of WO 2018073176A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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