

Title (en)

ANTENNA WITH OPTIMISED BANDWIDTH WITH OPTIMISED CONSTRUCTION OF SURFACE AND LINE TRANSMITTER

Title (de)

BANDBREITENOPTIMIERTE ANTENNE DURCH HYBRIDEN AUFBAU AUS FLÄCHEN- UND LINIENSTRAHLER

Title (fr)

ANTENNE À LARGEUR DE BANDE OPTIMISÉE PAR LE MONTAGE HYBRIDE DE DISPOSITIFS DE RAYONNEMENT PLATS OU LINÉAIRES

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Abstract (en)

[origin: WO2011144680A1] The invention relates to a hybrid antenna design which comprises at least one electrically insulating substrate, at least one electrically conductive coating which covers at least one surface of the substrate at least in places and is used as a planar antenna for reception of electromagnetic waves, as well as at least one coupling electrode, which is electrically coupled to the conductive coating, for emission of antenna signals from the planar antenna. In this case, it is essential if the coupling electrode is electrically coupled to an unshielded, linear antenna conductor, which is used as a linear antenna for reception of electromagnetic waves, wherein the antenna conductor is located outside an area which can be projected by orthogonal parallel projection onto the planar antenna which is used as a projection area, as a result of which an antenna foot point of the linear antenna becomes a common antenna foot point for the linear and planar antenna. The invention furthermore relates to a method for production of a hybrid antenna design such as this.

IPC 8 full level

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