

Title (en)

MICRO-STRIP PLANAR ARRAY ANTENNA FOR SATELLITE TELECOMMUNICATIONS, ADAPTED TO OPERATE AT DIFFERENT RECEPTION AND TRANSMISSION FREQUENCIES AND WITH CROSS-POLARIZATIONS

Title (de)

MIKROSTREIFEN-PLANARGRUPPENANTENNE FÜR SATELLITENTELEKOMMUNIKATION, DIE FÜR BETRIEB BEI VERSCHIEDENEN EMPFANGS- UND SENDEFREQUENZEN UND MIT KREUZPOLARISATIONEN AUSGELEGT IST

Title (fr)

ANTENNE EN RÉSEAU PLAN EN MICRORUBAN POUR TÉLÉCOMMUNICATIONS PAR SATELLITE, APTE À FONCTIONNER À DES FRÉQUENCES DE RÉCEPTION ET D'ÉMISSION DIFFÉRENTES ET AVEC DES POLARISATIONS CROISÉES

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Application

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Priority

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Abstract (en)

[origin: WO2009150609A1] A micro-strip planar array antenna is disclosed, having a radiation surface (S) comprising first radiating elements (12T) arranged for operating in transmission and second radiating elements (12R) arranged for operating in reception, and a signal feeding network arranged on a plane parallel to the radiation surface (S), including micro-strip lines (120) capacitively coupled to the aforementioned elements (12R, 12T). The first and second radiating elements (12R, 12T) are made on a same radiation surface (S) of the antenna according to an intercalated configuration, and are adapted to operate at different frequency ranges and perpendicular polarizations.

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