

Title (en)

ESSENTIALLY SQUARE BROADBAND, DUAL POLARISED RADIATING ELEMENT

Title (de)

BREITBANDIGES STRAHLERELEMENT FÜR DOPPELPOLARISATION MIT EINER ALLGEMEINEN VIERECKIGEN FORM

Title (fr)

ELEMENT RAYONNANT LARGE BANDE A DOUBLE POLARISATION, DE FORME GENERALE CARREE

Publication

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Application

**EP 03756019 A 20030528**

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Abstract (en)

[origin: WO03103086A2] The invention relates to a radiating device (1) comprising two crossed dipoles (2) which are arranged to operate in broadband with dual polarisation. Each dipole comprises a pair of coplanar conducting plates (2a, 2c; 2b, 2d) with the same essentially square shape. The two plates of each pair (2a, 2b; 2c, 2d) are positioned such that the diagonals thereof are aligned substantially along the same alignment axis (3, 4) for each pair and the alignment axes (3, 4) of both pairs of plates intersect at a right angle at a crossing point (O) which is located between the plates of each pair.

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