

Title (en)

REACTIVE COUPLING ANTENNA COMPRISING TWO RADIATING ELEMENTS

Title (de)

REAKTIV KOPPELNDE ANTENNE MIT ZWEI STRAHLUNGSELEMENTEN

Title (fr)

ANTENNE A COUPLAGE REACTIF COMPORTANT DEUX ELEMENTS RAYONNANTS

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Application

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Abstract (en)

[origin: WO03007423A1] The invention relates to a printed antenna comprising two planar radiating elements (25, 45) which are more or less stacked on top of each other. A first reactive coupling (5, 15) layout can excite one of the radiating elements (25, 45), said first reactive coupling layout comprising at least one feed line (6, 7) and a conductive ground plane (15) which is equipped with at least one coupling slot (16, 17). Moreover, the antenna comprises a second reactive coupling (25, 35) layout which can excite the other radiating element. The invention is characterised in that the radiating elements (25, 45) are provided with surface areas that are sufficiently similar so that the first reactive coupling layout produces a simultaneous coupling of the two radiating elements (25, 45).

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