

Title (en)

DUAL POLARISED MICROSTRIP PATCH ANTENNA

Title (de)

DUAL POLARISIERTE MICROSTRIP-PATCH-ANTENNE

Title (fr)

ANTENNE A PLAQUES EN MICRORUBAN A DOUBLE POLARISATION

Publication

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Application

**EP 03737823 A 20030716**

Priority

CH 0300481 W 20030716

Abstract (en)

[origin: WO2005008833A1] The invention relates to a dual polarised microstrip patch antenna comprising at least one individual element (EE1, ..., EE4), each individual element (EE1, ..., EE4) comprising at least one rectangular, preferably quadratic patch (20, ..., 23) arranged on the upper side of a printing plate (19), said printing plate (19) carrying a supply network (44) on the upper side thereof and being metallised on the entire surface of the lower side thereof. The aim of the invention is to improve the insulation, simultaneously simplifying the supply network. To this end, the supply network (44) is embodied in such a way that the supply is only carried out on two corners of the patch (20, ..., 23), and the at least one patch (20, ..., 23) is modified (27, 28) in such a way that the insulation is improved between the polarisations and/or a plurality of individual elements (EE1, ..., EE4) in relation to a non-modified patch.

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Citation (search report)

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Cited by

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