

Title (en)
DUAL-BAND TRANSMISSION DEVICE AND ANTENNA THEREFOR

Title (de)
ZWEIBAND-ÜBERTRAGUNGSANORDNUNG UND EINE ANTENNE FÜR DIESE ANORDNUNG

Title (fr)
DISPOSITIF DE TRANSMISSION BI-BANDE ET ANTENNE POUR CE DISPOSITIF

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Application
EP 00942171 A 20000608

Priority
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Abstract (en)
[origin: WO0135492A1] The invention concerns a device whereof the antenna (1) is made according to the microstrip technique. A rear edge (10) of a body (31) of its patch (6) is provided with a short-circuit (S) whereby a primary resonance mode of the quarter wave type can be energised from a connection line (C1). A slot (17) penetrates into said patch from its periphery and separates said body from a tab (33) which remains connected by a passage (32). A secondary resonance mode uses said body, said passage and said tab. It can be energised by the same connection line to a frequency double that of the primary resonance. The short-circuit can be produced with components directly mounted on the antenna substrate edge and can then have inductive, resistive and controlled components. The invention is useful in particular for producing a double mode radio telephone system using two norms GSM and DCS.

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