

Title (en)
DUAL BAND ANTENNA

Title (de)
ZWEIBANDANTENNE

Title (fr)
ANTENNE A DOUBLE BANDE

Publication
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Application
EP 98962782 A 19981207

Priority
• SE 9802235 W 19981207
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Abstract (en)
[origin: WO9931757A1] An aperture-coupled antenna, comprising at least one antenna element including a number of substantially planar, mutually parallel radiating patches (1-3) being fed with microwave power from a feed network (6) via an aperture (5a, 5b) in a ground plane layer (4). The feed network (6) feeds microwave power in at least two separate frequency bands, including a first, relatively low frequency band and a second, relatively high frequency band. A first patch (2) radiates microwave power in said first frequency band and is provided with an aperture (9a, 9b) so as to couple microwave power in said second frequency band to a second patch (1), the microwave power in said second frequency band being fed from the feed network (6) via the apertures (5a, 5b; 9a, 9b) in said ground plane layer (4) and said first patch (2) to said second patch (1).

IPC 1-7
H01Q 1/38

IPC 8 full level
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H01Q 1/243 (2013.01); **H01Q 1/38** (2013.01); **H01Q 5/378** (2015.01); **H01Q 9/0414** (2013.01); **H01Q 9/0428** (2013.01); **H01Q 9/0457** (2013.01); **H01Q 19/10** (2013.01)

Citation (search report)
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