

Title (en)

IMPROVEMENTS IN OR RELATING TO MICROSTRIP ANTENNAS

Publication

EP 0174068 B1 19910102 (EN)

Application

EP 85304623 A 19850628

Priority

GB 8417502 A 19840709

Abstract (en)

[origin: EP0174068A1] The bandwidth of a microstrip circular patch antenna (1) of approximately half-wavelength diameter at the resonant frequency is increased by surrounding it with an annular conducting sheet (6) of approximately quarter-wavelength width separated from the patch (1) by a gap (5) and having its outer edge connected to the ground-plane (3). The resulting structure is particularly suitable for feeding a reflector antenna.

IPC 1-7

H01Q 9/04

IPC 8 full level

H01Q 9/04 (2006.01); **H01Q 13/18** (2006.01); **H01Q 19/00** (2006.01)

CPC (source: EP)

H01Q 9/0464 (2013.01); **H01Q 13/18** (2013.01); **H01Q 19/005** (2013.01)

Cited by

US6181277B1; US4816835A; US4835541A; EP0439677A3; US4791423A; GB2399949A; GB2399949B; FR2835972A1; GB2387036B; CN104269616A; GB2274548A; GB2274548B; US5568157A; US4821040A; US6801167B2

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