

Title (en)

Dual band frequency reuse antenna.

Title (de)

Zweibandantenne mit Mehrfachausnutzung der Frequenzbänder.

Title (fr)

Antenne à double bande avec réutilisation des fréquences.

Publication

EP 0468620 A2 19920129 (EN)

Application

EP 91303892 A 19910430

Priority

US 55903490 A 19900726

Abstract (en)

A dual frequency band antenna (10) having frequency reuse capability. The antenna waveguide (12) includes a four port waveguide network which transmits and receives orthogonal, linearly polarized signals of each of two frequencies. A pyramidal horn (14) is engaged to the mouth of the waveguide, and a meanderline polarizer (16) is engaged to the aperture (17) of the horn (14) to convert the signals from linear polarizations to circular polarizations. <IMAGE>

IPC 1-7

H01Q 15/24; **H01Q 21/24**

IPC 8 full level

H01P 1/16 (2006.01); **H01P 1/165** (2006.01); **H01P 1/17** (2006.01); **H01P 1/213** (2006.01); **H01Q 5/00** (2015.01); **H01Q 5/10** (2015.01); **H01Q 5/55** (2015.01); **H01Q 13/02** (2006.01); **H01Q 15/24** (2006.01); **H01Q 21/24** (2006.01)

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Cited by

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EP 0468620 A2 19920129; **EP 0468620 A3 19920520**; **EP 0468620 B1 19951227**; CA 2041572 A1 19920127; CA 2041572 C 19991109; CA 2046975 A1 19920127; DE 69115783 D1 19960208; DE 69115783 T2 19960725; JP 2651962 B2 19970910; JP H05136624 A 19930601

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