

Title (en)

Microwave antenna.

Title (de)

Mikrowellenantenne.

Title (fr)

Antenne à micro-ondes.

Publication

EP 0421757 A2 19910410 (EN)

Application

EP 90310821 A 19901003

Priority

GB 8922377 A 19891004

Abstract (en)

A microwave horn antenna providing wide beam-width of approximately 95 degrees over a band width of 8 to 18GHZ. The antenna consists of a radiating cylinder (1) the front end of which is shaped to provide a central apex or ridge (6) with two faces sloping back from it. A conductor wire (5) extends to provide this ridge across the cylinder (1). Further matching wires (9, 11) extend across behind the ridge conductor (5). A choke ring (19) surrounds the radiating aperture, consisting of a plurality of concentric channels (21) of graded depth, this being one quarter wavelength at frequencies throughout the band. A wide beam, broad band antenna of high performance is thus provided.

IPC 1-7

H01Q 13/02

IPC 8 full level

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CPC (source: EP)

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Cited by

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EP 0421757 A2 19910410; **EP 0421757 A3 19911121**; GB 2236626 A 19910410; GB 2236626 B 19940406; GB 8922377 D0 19900620; GB 9021481 D0 19901114

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