

Title (en)

Dielectric antenna.

Title (de)

Dielektrische Antenne.

Title (fr)

Antenne diélectrique.

Publication

EP 0475294 B1 19950308 (DE)

Application

EP 91115092 A 19910906

Priority

DE 4028569 A 19900908

Abstract (en)

[origin: EP0475294A2] The invention relates to a dielectric antenna which is supplied from a waveguide operated in monomode. The dimensioning of the antenna results from the relationship $L/L_{ep} = ((D/L_{ep}-0.6) \text{ DEG } (D/L_{ep}-0.6)+(1.3..2.7)) \text{ DEG } 6/Q_{ep}$ Q_{ep} being the square of the relative dielectric constant, increased by one, L_{ep} being the wavelength in the space which is filled homogeneously with dielectric, D being the maximum lateral dimension (D) of the antenna and L being the maximum length (L) of the antenna. Fig. 1 shows a side view of the antenna according to the invention. <IMAGE>

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Antenna'

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