

Title (en)

PLANAR BIFILAR ANTENNA WITH TRANSVERSAL RADIATION AND ITS USE IN RADAR AERIALS

Publication

EP 0027067 B1 19840718 (FR)

Application

EP 80401320 A 19800916

Priority

FR 7924897 A 19791005

Abstract (en)

[origin: EP0027067A1] 1. Plane two-wire aerial with transversal radiation comprising a first and second conducting line 1, 2 disposed facing each other on a first and a second parallel plane P1 and P2 respectively, characterized in that the first, respectively second, conducting line 1, 2 presents a plurality of N folds, delimiting the conducting elements that are each disposed opposite a conducting element of the other line, form respectively a pair with the opposite facing conducting elements and which are contained in a sector of the first, respectively second, plane limited respectively by two secant straight lines constituting the enclosure of the first, respectively second, conducting line 1, 2 and in that each conducting element of the second line 2 has an electric length that is longer than that of the conducting element of the first line 1 situated facing opposite and which is such that at least two conducting elements situated facing opposite and forming a pair are through-crossed by currents in phase and that the average length of the conducting elements of the said pair and an adjacent pair at least is equal to $\lambda/2$, in which λ is the wave length of maximal radiation.

IPC 1-7

H01Q 11/04; **H01Q 1/38**

IPC 8 full level

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CPC (source: EP)

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Cited by

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