

Title (en)

Radiating element of an antenna with wide bandwidth and antenna array comprising such elements

Title (de)

Strahlerelement einer Antenne mit breitbandigem Durchlassbereich und aus derartigen Elementen bestehende Gruppenantenne

Title (fr)

Motif élémentaire d'antenne à large bande passante et antenne-réseau le comportant

Publication

EP 0575211 B1 19971210 (FR)

Application

EP 93401371 A 19930528

Priority

FR 9207274 A 19920616

Abstract (en)

[origin: EP0575211A1] An elementary antenna (1) including a dielectric substrate (2) of constant thickness hugged, on one face, by a conductive metal layer (3) forming an earth plane and on its other face by a radiating element (4) connected electrically to a supply line (5), characterised in that the element (4) is formed by a conductive loop (6) of constant width l, surrounding an unsupplied internal parasitic element (7) whilst being separated from this internal parasitic element by a continuous slot (8) closed on itself and of constant width e suitable for ensuring coupling between the loop and the internal parasitic element. <IMAGE>

IPC 1-7

H01Q 13/20

IPC 8 full level

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

CPC (source: EP US)

H01Q 9/0464 (2013.01 - EP US); **H01Q 19/005** (2013.01 - EP US)

Cited by

EP0830044A4; EP1753081A1; EP0661773A1; FR2714769A1; US5600331A; US7218280B2

Designated contracting state (EPC)

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