

Title (en)

Printed circuit antenna for a dual polarized antenna array.

Title (de)

Antenne in gedruckter Schaltungstechnik für eine zweifach polarisierte Gruppenantenne.

Title (fr)

Antenne imprimée pour réseau à double polarisation.

Publication

**EP 0484241 B1 19950412 (FR)**

Application

**EP 91402915 A 19911030**

Priority

FR 9013563 A 19901031

Abstract (en)

[origin: EP0484241A1] The antenna comprises, as in a plate antenna, a dielectric substrate (7b), a supply line (3b) earth plane (4b) arranged on one face of the substrate, and a radiating element arranged on another face of the substrate and coupled to the line by a coupling slot (5b) in the earth plane. The radiating element consists of several narrow conducting strips (8b) extending perpendicularly to the coupling slot (5b), so as to obtain virtually complete polarisation. Since such antennas have orthogonal polarisations they do not disturb one another and can be close to one another so as to constitute a compact dual-polarised array. <IMAGE>

IPC 1-7

**H01Q 25/00**; **H01Q 9/04**

IPC 8 full level

**H01Q 9/04** (2006.01); **H01Q 21/06** (2006.01); **H01Q 25/00** (2006.01)

CPC (source: EP)

**H01Q 9/0457** (2013.01); **H01Q 21/065** (2013.01); **H01Q 25/001** (2013.01)

Cited by

US5923296A; FR2801139A1; GB2549858A; GB2549858B; GB2266192A; GB2266192B; EP0617480A1; FR2703190A1; US5309164A; US10056701B2; US6741210B2; WO9917403A1; WO0135491A1

Designated contracting state (EPC)

DE GB

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