

Title (en)

Compact monopulse source for an antenna with optical focusing

Title (de)

Kompakte Monopulsquelle für eine Antenne mit optischer Fokussierung

Title (fr)

Source monopulse compacte pour une antenne à optique focalisante

Publication

EP 0880196 A1 19981125 (FR)

Application

EP 98401179 A 19980515

Priority

FR 9706327 A 19970523

Abstract (en)

The monopulse antenna construction has two waveguides (41,42) side by side on a metallic base (25) for feeding antennas. The waveguides are fed by narrow height waveguide sections (47,48) with a backing short circuit and microstrip transitions (44,45). The transitions are placed between the change of height of the waveguides. The transitions are fed by a symmetrical feed from a hybrid ring, forming sum and difference monopulse patterns.

Abstract (fr)

L'invention concerne une source monopulse pour antenne focalisante. La source comporte au moins deux guides d'onde (41, 42) usinés dans la semelle métallique (25) supportant le circuit d'émission et des réception hyperfréquence (23, 49, 50, 53, 54, 55, 56, 57) de l'antenne (2, 3, 11). Application : notamment sources primaires pour radars fonctionnant en onde millimétrique. <IMAGE>

IPC 1-7

H01Q 25/02

IPC 8 full level

G01S 7/28 (2006.01); **H01Q 19/17** (2006.01); **H01Q 25/02** (2006.01)

CPC (source: EP US)

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Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 18, no. 240 (E - 1545) 9 May 1994 (1994-05-09)

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