

Title (en)

CONTROLLED-PHASE REFLECTOR ARRAY, AND ANTENNA COMPRISING SUCH AN ARRAY

Publication

EP 0237429 B1 19911016 (FR)

Application

EP 87400514 A 19870309

Priority

FR 8603648 A 19860314

Abstract (en)

[origin: US5148182A] The present invention provides phased arrays using monolithic technology of diffusions over whole wafers for working in millimetric wave frequency bands. The reflector array includes a plurality of metallizations connected together by diodes whose capacity can be varied. Thus direct control of reactive impedances is obtained. With the metallized strips placed at a distance substantially equal to $\lambda/4$ from a ground plane, it is possible to control locally the phase of the reflected signal.

IPC 1-7

H01Q 3/46; **H01Q 15/14**

IPC 8 full level

H01Q 3/46 (2006.01); **H01Q 15/14** (2006.01)

CPC (source: EP US)

H01Q 3/46 (2013.01 - EP US); **H01Q 15/14** (2013.01 - EP US)

Cited by

FR2689320A1; FR2699742A1; AU711521B2; DE3822880B3; WO9917130A3

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0237429 A2 19870916; **EP 0237429 A3 19871209**; **EP 0237429 B1 19911016**; DE 3773708 D1 19911121; FR 2595873 A1 19870918; FR 2595873 B1 19880916; US 5148182 A 19920915

DOCDB simple family (application)

EP 87400514 A 19870309; DE 3773708 T 19870309; FR 8603648 A 19860314; US 56654690 A 19900813