

Title (en)

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

Publication

**EP 0237429 A3 19871209 (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)

Citation (search report)

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Designated contracting state (EPC)

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