

Title (en)
ELECTRONIC SCANNING DEVICE COMPRISING DIELECTRIC PANELS AS PHASESHIFTERS

Publication
EP 0000308 B1 19830831 (FR)

Application
EP 78400030 A 19780622

Priority
FR 7719365 A 19770624

Abstract (en)
[origin: US4212014A] Bipolar switches in first conductive leads mounted in a dielectric panel are divided into successive groups of alternating polarity and additional pairs of leads are positioned in the panel adjacent each first lead to couple the groups of switches in each first lead in parallel. A reduced reversed biasing of the additional leads results in the first leads being selectively rendered discontinuous by the switches, changing the electrical characteristics of the panel to shift or focus a microwave beam passing through the panel. The additional pairs of conductive leads also operate as microwave elements to increase the bandwidth of the panel.

IPC 1-7
H01Q 3/26

IPC 8 full level
H01Q 3/38 (2006.01); **H01Q 3/46** (2006.01)

CPC (source: EP US)
H01Q 3/38 (2013.01 - EP US); **H01Q 3/46** (2013.01 - EP US)

Cited by
FR2469808A1; GB2300523A; GB2300523B; EP0493255A1; FR2671194A1; US5237328A; GB2462870A; GB2462870B; WO8101486A1; EP0014650B1

Designated contracting state (EPC)
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EP 0000308 A1 19790110; EP 0000308 B1 19830831; DE 2815452 A1 19790111; DE 2862310 D1 19831006; FR 2395620 A1 19790119; FR 2395620 B1 19800229; US 4212014 A 19800708

DOCDB simple family (application)
EP 78400030 A 19780622; DE 2815452 A 19780410; DE 2862310 T 19780622; FR 7719365 A 19770624; US 91805378 A 19780622