

Title (en)
An active antenna array.

Title (de)
Aktive Gruppenantenne.

Title (fr)
Réseau d'antennes du type actif.

Publication
EP 0621654 A3 19950322 (EN)

Application
EP 94302699 A 19940415

Priority
US 4793793 A 19930419

Abstract (en)
[origin: EP0621654A2] An active antenna array (58) for use in a radar seeker has a preselected number antenna elements (60) which are individually connected to an identical plurality of transmitting and receiving modules (64) backed up by a cold plate (66) for removing heat produced during use. In a preferred embodiment each module has a rectangular prism housing (84) within each of which there are individually modifiable phase and gain circuits (76,78). In a further embodiment, the transmitting and receiving modules are constructed of a number of wafers, each wafer having the same number of separate identical circuit function blocks as there are antenna elements. <IMAGE>

IPC 1-7
H01Q 21/00; **H01Q 21/06**

IPC 8 full level
G01S 7/02 (2006.01); **H01Q 3/36** (2006.01); **H01Q 21/00** (2006.01); **H01Q 23/00** (2006.01)

CPC (source: EP)
H01Q 21/0025 (2013.01); **H01Q 21/0087** (2013.01)

Citation (search report)

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