Title (en)

ELECTRONICALLY SCANNED PHASED-ARRAY ANTENNA

Publication

EP 0207511 A3 19871104 (DE)

Application

EP 86109023 A 19860702

Priority

DE 3524148 A 19850705

Abstract (en)

[origin: US4734700A] An omni-directional scanning group antenna with electronically phase-control beam for precise target locating or target tracking comprising a plurality of line fed individual radiators (1) distributed within the volume of an imaginary three-dimensional body (2) such as a sphere which is divided into eight separate sub-volumes V1 through V8 forming octants wherein the signals SV1 through SV8 of the octants ae combined with a circuit (4) comprising eleven sum-difference elements so as to form one sum signal, one elevation difference signal and two azimuth difference signals. The invention is suitable for application in three-dimensional phase-array antennas for all-around scanning with precise target locating and target tracking.

IPC 1-7

H01Q 3/26; H01Q 25/02

IPC 8 full level

H01Q 3/26 (2006.01); **H01Q 25/02** (2006.01)

CPC (source: EP US)

H01Q 3/26 (2013.01 - EP US); **H01Q 25/02** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (publication)

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