

Title (en)
Transportable radar arrangement

Title (de)
Transportable Radaranlage

Title (fr)
Dispositif radar transportable

Publication
EP 0709915 A1 19960501 (DE)

Application
EP 95115855 A 19951009

Priority
DE 4438723 A 19941029

Abstract (en)
The radar antenna (RA) rotates about a vertical axis (Z) within a dome (G) and has antenna arrangements (ST1,S1,R1 and ST2,S2,R1) that are mechanically coupled and are set to a specific azimuth plane (P). The units can be separately adjusted and the top unit acts as both a transmitter and receiver while the lower one acts only as a receiver. The units are formed with line type elements e.g. 32, that are parallel to the axis of rotation and have separating elements between lines. The antenna connects with a display processing system (SRE).

Abstract (de)
Die Erfindung betrifft eine transportable Radaranlage insbesondere für das Ka-Band. Dabei sind mindestens zwei Antennen bezüglich der Azimut-Achse übereinander angeordnet und gemeinsam um diese drehbar. Eine solche Antennenanordnung ermöglicht sehr unterschiedliche Betriebsarten, insbesondere zur Überwachung eines Gebietes und zur Verfolgung eines Zieles. <IMAGE>

IPC 1-7
H01Q 19/17; **H01Q 3/02**

IPC 8 full level
H01Q 3/02 (2006.01); **H01Q 19/17** (2006.01)

CPC (source: EP)
H01Q 3/02 (2013.01); **H01Q 19/175** (2013.01)

Citation (search report)

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- [Y] US 2825900 A 19580304 - COLLBOHM FRANKLIN R
- [A] DE 2720055 C1 19910328 - SIEMENS AG
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 228 (E - 426) 8 August 1986 (1986-08-08)
- [A] PATENT ABSTRACTS OF JAPAN vol. 15, no. 449 (P - 1275) 14 November 1991 (1991-11-14)
- [A] DENSMORE ET AL.: "K and Ka-Band, satellite-tracking, small reflector vehicular antenna system for mobile satellite service", 3RD EUROPEAN CONFERENCE ON SATELLITE COMMUNICATIONS, 2 November 1993 (1993-11-02) - 4 November 1993 (1993-11-04), U.K., pages 117 - 121, XP000457986

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DE FR GB NL

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