

Title (en)  
SMALL-SIZE RADAR ANTENNA

Publication  
**EP 0236160 B1 19910911 (FR)**

Application  
**EP 87400131 A 19870120**

Priority  
FR 8601173 A 19860128

Abstract (en)  
[origin: EP0236160A1] The antenna, being placed in a ventral radome (8), enables surveillance, tracking and air-surface fire control to be realised. <??>It comprises a reflector (12) in the shape of a paraboloid of revolution about the longitudinal axis (X), integral with a box (3). This assembly is rotatably mounted about the transverse axis (Y), and about the vertical axis (Z) inside the radome. <??>Rotation about the longitudinal axis (X), called the roll axis, is realised by setting into rotation the transmitting source (2) by setting-into-rotation means placed inside the box and the duct (1). The reflector (12) being fixed under roll, the surface of the latter can extend over the whole interior cross-section of the radome, the rotation of the radar beam following the roll axis being obtained by rotating the source relative to the reflector. <IMAGE>

IPC 1-7  
**H01Q 1/28**; **H01Q 3/18**

IPC 8 full level  
**H01Q 1/28** (2006.01); **H01Q 3/18** (2006.01)

CPC (source: EP US)  
**H01Q 1/28** (2013.01 - EP US); **H01Q 3/18** (2013.01 - EP US)

Cited by  
DE19544500A1; DE19544500C2

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**FR 2593646 A1 19870731**; **FR 2593646 B1 19880729**; DE 3772797 D1 19911017; EP 0236160 A1 19870909; EP 0236160 B1 19910911; US 4933681 A 19900612

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