

Title (en)

Satellite tracking antenna system.

Title (de)

Antennennachführsystem für Satelliten.

Title (fr)

Système d'antenne de poursuite de satellite.

Publication

EP 0154240 A2 19850911 (EN)

Application

EP 85101764 A 19850218

Priority

US 58116484 A 19840217

Abstract (en)

A ship borne antenna (16) using a gimballed mount for establishing a two degree of freedom unstabilized structure. A ring (22) is mounted for rotation on a radome (14) and carries an antenna (16) mounted for rotation relative to the ring (22). The ring (22) and antenna (16) are respectively driven by stepper motors (60,74). Variations in stability occurring by pitch, yaw or roll of the ship are corrected on a real time basis using a microprocessor that dynamically drives the ring (22) and the antenna (16) to maintain lock-on with a satellite.

IPC 1-7

H01Q 1/18

IPC 8 full level

H01Q 1/18 (2006.01); **H01Q 1/42** (2006.01); **H01Q 3/08** (2006.01)

CPC (source: EP)

H01Q 1/18 (2013.01); **H01Q 1/34** (2013.01); **H01Q 1/42** (2013.01); **H01Q 3/08** (2013.01)

Cited by

EP1425821A4; US5351060A; GB2251982A; GB2251982B; EP2262056A1; US9083083B2; US8558746B2; US10040517B2; US8259028B2; WO2009150391A1; WO2011070451A3

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