

Title (en)

Antenna system for a satellite supported navigating missile

Title (de)

Antennensystem für eine satellitengestützt navigierende Rakete

Title (fr)

Système d'antenne pour la navigation d'un missile supporté par satellite

Publication

**EP 0840393 A3 20000816 (DE)**

Application

**EP 97119021 A 19971031**

Priority

DE 19645496 A 19961105

Abstract (en)

[origin: EP0840393A2] The antenna system has several antennas (18) arranged adjacent to each other along the body (17) of the rocket (11) and connected to a navigation receiver (13) via a multiplexer (25) which passes signals depending on the roll position. The multiplexer switches several peripheral adjacent antennas to the navigation receiver via a summing amplifier (26). A position sensor (27) is used to switch the multiplexer, e.g. a centre of gravity position sensor.

IPC 1-7

**H01Q 3/24**; **H01Q 1/28**

IPC 8 full level

**H01Q 1/28** (2006.01); **H01Q 3/24** (2006.01)

CPC (source: EP)

**H01Q 1/28** (2013.01); **H01Q 3/24** (2013.01); **H01Q 3/242** (2013.01)

Citation (search report)

- [A] DE 3627597 A1 19880218 - LICENTIA GMBH [DE]
- [A] US 5467940 A 19951121 - STEUER RAIMAR [DE]
- [A] GREGORWICH W S: "An electronically despun array flush-mounted on a cylindrical spacecraft", IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, JAN. 1974, USA, vol. AP-22, no. 1, pages 71 - 74, XP002139988, ISSN: 0018-926X

Cited by

EP1103779A1; DE102012007200A1; DE102012007200B4; EP1143556A1; DE10017329A1; DE10017329C2; DE102008035887A1; US7057567B2; WO03032435A1; US6467721B1

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