

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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EP 0840393 A2 19980506; **EP 0840393 A3 20000816**; **EP 0840393 B1 20060301**; DE 19645496 A1 19980514; DE 19645496 C2 20010517; DE 59712582 D1 20060427

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