

Title (en)

Rotor device for a satellite reception assembly

Title (de)

Antennenrotor für eine Satellitenempfangsanordnung

Title (fr)

Dispositif rotative pour antenne de réception par satellite

Publication

EP 1049194 A3 20021002 (EN)

Application

EP 00201516 A 20000427

Priority

MT 134499 A 19990429

Abstract (en)

[origin: EP1049194A2] A polar rotor device (1) for a satellite reception assembly (100), apt to drive eastward and westward rotations of a dish antenna (300) of such assembly, comprising: a motor (2); a transmission system (3), interposed between the motor and the dish antenna to transform the output motion of the motor into the eastward and westward rotations of the dish antenna, wherein the rotations comprise descending rotations, during which the dish antenna is rotated downward, and ascending rotations, during which the dish antenna is rotated upward; and elastic means (4), arranged at the transmission system, apt to store elastic energy during the descending rotations, and to return elastic energy during the ascending rotations, so that the rotor device can be fed by a receiver of the satellite reception assembly. <IMAGE>

IPC 1-7

H01Q 1/12; **H01Q 3/00**

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 3/00** (2006.01)

CPC (source: EP)

H01Q 1/125 (2013.01); **H01Q 3/005** (2013.01)

Citation (search report)

- [A] US 4864322 A 19890905 - YAMAMOTO AKINORI [JP], et al
- [A] EP 0532960 A1 19930324 - SIEMENS AG [DE]
- [A] US 5009115 A 19910423 - RINGOT PATRICE [FR], et al
- [A] DE 19519723 A1 19960321 - NICOLAI WALTER [DE]
- [A] US 4741532 A 19880503 - OKADA KAZUO [JP]
- [A] US 5485169 A 19960116 - KITABATAKE ASAO [JP], et al

Cited by

FR2829299A1; CN105552528A; EP2894715A1; CN110740278A; DE202008001733U1; US8509716B2; WO2006122681A1

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