

Title (en)
ANTENNA FOR ORBITING SATELLITE

Title (de)
ANTENNE FÜR SATELLITEN MIT NIEDRIGER UMLAUFBAHN

Title (fr)
ANTENNE POUR SATELLITE A DEFILEMENT

Publication
EP 1010214 B1 20030820 (FR)

Application
EP 98917183 A 19980317

Priority
• FR 9800535 W 19980317
• FR 9703250 A 19970317

Abstract (en)
[origin: US6252562B1] An orbiting satellite system with an antenna for re-transmitting to the ground images collected by image capture instruments of the satellite, the antennas having more than one elementary radiating antenna each of which has more than one cord regularly distributed in a helix about a generatrix of revolution and equi-amplitude power supply for the various cords where the axis of the various elementary antenna are parallel and aligned in one and the same plane in which they are spaced regularly apart in that plane. The plane of the antennas is intended to align with, when the satellite is in orbit, the direction perpendicular to the direction of the speed vector of the satellite. The antenna also has a phase shifting power supply which enables the antenna array to carry out electronic steering of the elongate beam generated by the elementary array.

IPC 1-7
H01Q 21/06; **H01Q 11/08**; **H01Q 3/30**

IPC 8 full level
H01Q 3/30 (2006.01); **H01Q 11/08** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP US)
H01Q 3/30 (2013.01 - EP US); **H01Q 11/08** (2013.01 - EP US); **H01Q 21/067** (2013.01 - EP US)

Citation (examination)
US 5587719 A 19961224 - STEFFY DAVID A [US]

Cited by
US7015871B2

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6252562 B1 20010626; AT E247871 T1 20030915; CA 2284872 A1 19980924; DE 69817373 D1 20030925; DE 69817373 T2 20040609; EP 1010214 A1 20000621; EP 1010214 B1 20030820; FR 2760900 A1 19980918; FR 2760900 B1 19990528; JP 2001516536 A 20010925; WO 9842042 A1 19980924

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