

Title (en)

TELECOMMUNICATION SYSTEM ANTENNA AND METHOD FOR TRANSMITTING AND RECEIVING USING SAID ANTENNA

Title (de)

MECHANISCH STEUERBARE ANTENNE FÜR EIN TELEKOMMUNIKATIONSSYSTEM UND VERFAHREN ZUMSENDEN ODER EMPFANGEN MITTELS EINER DERARTIGEN ANTENNE

Title (fr)

ANTENNE ORIENTABLE MECANIQUEMENT POUR SYSTEME DE TELECOMMUNICATION ET PROCEDE D'EMISSION OU RECEPTION A L'AIDE D'UNE TELLE ANTENNE

Publication

EP 1016161 A1 20000705 (FR)

Application

EP 98933719 A 19980625

Priority

- FR 9801347 W 19980625
- FR 9708014 A 19970626

Abstract (en)

[origin: FR2765405A1] The invention concerns a telecommunication system antenna for communicating, in transmission and in reception, with a wide zone, of variable position relative to the antenna. Said antenna comprises motors (80, 82) for pointing the antenna towards the zone, and radiating elements (74, 76) associated with control means to modify the radiating diagram according to the relative position of the antenna and the zone. The invention is particularly applicable to an antenna designed to be installed on a telecommunication satellite. During its travel, the antenna can remain constantly in communication with an earth zone ranging several hundreds of kilometres.

IPC 1-7

H01Q 3/08; **H01Q 1/28**; **H01Q 3/26**; **H01Q 3/40**; **H04B 7/185**

IPC 8 full level

H01Q 1/28 (2006.01); **H01Q 3/08** (2006.01); **H01Q 3/26** (2006.01); **H01Q 3/28** (2006.01); **H01Q 3/40** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/08** (2006.01); **H01Q 25/00** (2006.01); **H04B 7/185** (2006.01)

CPC (source: EP US)

H01Q 1/288 (2013.01 - EP US); **H01Q 3/08** (2013.01 - EP US); **H01Q 3/26** (2013.01 - EP US); **H01Q 3/28** (2013.01 - EP US); **H01Q 3/40** (2013.01 - EP US); **H01Q 21/061** (2013.01 - EP US); **H01Q 25/00** (2013.01 - EP US)

Citation (search report)

See references of WO 9900868A1

Designated contracting state (EPC)

DE ES FR IT SE

DOCDB simple family (publication)

FR 2765405 A1 19981231; **FR 2765405 B1 19991001**; AU 8344298 A 19990119; CA 2290676 A1 19990107; EP 1016161 A1 20000705; JP 2002506589 A 20020226; US 6404385 B1 20020611; WO 9900868 A1 19990107

DOCDB simple family (application)

FR 9708014 A 19970626; AU 8344298 A 19980625; CA 2290676 A 19980625; EP 98933719 A 19980625; FR 9801347 W 19980625; JP 50533199 A 19980625; US 44641800 A 20000215