

Title (en)

TRANSMITTER-RECEIVER SYSTEM IN A SATELITE

Publication

EP 0169823 B1 19880706 (EN)

Application

EP 85850204 A 19850612

Priority

SE 8403812 A 19840720

Abstract (en)

[origin: EP0169823A1] A transmitter-receiver system is included as a radio link in a satellite for transmitting and receiving signals in the micro-frequency range between two earth stations. The antenna in the system comprises, in accordance with the invention, an octofilar, crossed helix antenna, which is circularly polarised and practically omnidirectional with respect to radiated power.

IPC 1-7

H04B 7/185; **H01Q 21/24**; **H01Q 11/08**

IPC 8 full level

H01Q 1/36 (2006.01); **H01Q 11/08** (2006.01)

CPC (source: EP)

H01Q 1/362 (2013.01); **H01Q 11/08** (2013.01)

Citation (examination)

- THE MICROWAVE JOURNAL, December 1970, pages 49-54, C. KILGUS: "Resonant Quadrifilar Helix Design"
- K. ROTHAMMEL: "Antennenbruch", 7. Edition, 1981 Telekosmos Verlag, pages 468-472.

Cited by

EP0957533A4; US6025816A; EP0932220A3; US6278415B1; EP0427654A1; FR2654554A1; US5255005A; EP0241921A1; FR2597267A1; WO9828814A1; WO9618220A1; US8497815B2; US8692734B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0169823 A1 19860129; **EP 0169823 B1 19880706**; DE 3563673 D1 19880811; ES 545381 A0 19870301; ES 8704053 A1 19870301; SE 443691 B 19860303; SE 8403812 D0 19840720; SE 8403812 L 19860121

DOCDB simple family (application)

EP 85850204 A 19850612; DE 3563673 T 19850612; ES 545381 A 19850719; SE 8403812 A 19840720