

Title (en)

Method and system for polarization alignment of an earth station antenna with the polarization axis of a satellite antenna

Title (de)

Verfahren und System zur Polarisationsausrichtung einer Bodenstationantenne mit der Polarisationsachse einer Satellitenantenne

Title (fr)

Procédé et système pour l'alignement de polarisation d'une antenne de station terrestre avec l'axe de polarisation d'une antenne de satellite

Publication

EP 1303002 B1 20080903 (EN)

Application

EP 01402635 A 20011011

Priority

EP 01402635 A 20011011

Abstract (en)

[origin: EP1303002A1] The invention relates to a method for the polarization alignment of an antenna of an earth station with the polarization axis of the antenna of a satellite emitting linearly polarized beacon signals. This method is characterized in that the cross-polar component of the received linearly polarized beacon signal is used as information representative of an antenna polarization misalignment. The invention can be used for the polarization alignment of VSAT earth station antenna. <IMAGE>

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 13/02** (2006.01); **H01Q 19/02** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP)

H01Q 1/1257 (2013.01); **H01Q 1/1264** (2013.01); **H01Q 13/0258** (2013.01); **H01Q 19/028** (2013.01); **H01Q 21/245** (2013.01)

Cited by

EP1343219A1; EP3373474A1; US8953728B2; US9496886B2; US11367952B2; US8634760B2; WO2018162635A1; US9484970B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1303002 A1 20030416; **EP 1303002 B1 20080903**; AT E407462 T1 20080915; DE 60135661 D1 20081016; ES 2309045 T3 20081216; IL 161293 A0 20040927; IL 161293 A 20090901; WO 03034536 A1 20030424

DOCDB simple family (application)

EP 01402635 A 20011011; AT 01402635 T 20011011; DE 60135661 T 20011011; EP 0212278 W 20021011; ES 01402635 T 20011011; IL 16129302 A 20021011; IL 16129304 A 20040404