

Title (en)

CENTRALLY FED ANTENNA SYSTEM AND METHOD FOR OPTIMIZING SUCH AN ANTENNA SYSTEM

Title (de)

ZENTRAL GESPEISTES ANTENNENSYSYSTEM UND VERFAHREN ZUM OPTIMIEREN EINES SOLCHEN ANTENNENSYSYSTEMS

Title (fr)

SYSTEME D'ANTENNE A ALIMENTATION CENTRALE ET PROCEDE D'OPTIMISATION D'UN TEL SYSTEME D'ANTENNE

Publication

**EP 1074061 B1 20021211 (DE)**

Application

**EP 99927692 A 19990420**

Priority

- DE 9901188 W 19990420
- DE 19817766 A 19980421

Abstract (en)

[origin: DE19817766A1] The invention relates to a centrally fed antenna system whose effective reflector surface is formed in such a way that a maximum of the copolar far field is located on the illuminated coverage surface in line with far field requirements and a minimum of the copolar near field is located in the feed system, e. g. on the aperture of a feed horn.

IPC 1-7

**H01Q 1/00**

IPC 8 full level

**H01Q 1/00** (2006.01); **H01Q 15/14** (2006.01); **H01Q 19/02** (2006.01); **H01Q 19/13** (2006.01)

CPC (source: EP US)

**H01Q 15/141** (2013.01 - EP US); **H01Q 19/021** (2013.01 - EP US); **H01Q 19/023** (2013.01 - EP US); **H01Q 19/025** (2013.01 - EP US); **H01Q 19/028** (2013.01 - EP US); **H01Q 19/13** (2013.01 - EP US)

Designated contracting state (EPC)

DE DK FR GB IT SE

DOCDB simple family (publication)

**DE 19817766 A1 19991111**; CA 2329739 A1 19991028; CA 2329739 C 20040224; CN 1292939 A 20010425; DE 59903754 D1 20030123; DK 1074061 T3 20030106; EP 1074061 A2 20010207; EP 1074061 B1 20021211; JP 2002512462 A 20020423; US 6489929 B1 20021203; WO 9954955 A2 19991028; WO 9954955 A3 19991202

DOCDB simple family (application)

**DE 19817766 A 19980421**; CA 2329739 A 19990420; CN 99803942 A 19990420; DE 59903754 T 19990420; DE 9901188 W 19990420; DK 99927692 T 19990420; EP 99927692 A 19990420; JP 2000545212 A 19990420; US 67383801 A 20010309