

Title (en)
MONOPOLE ANTENNA

Publication
EP 0387445 A3 19910320 (EN)

Application
EP 89311450 A 19891106

Priority
US 32443189 A 19890316

Abstract (en)
[origin: EP0387445A2] An azimuthal omnidirectional communications mast-mounted antenna in which the monopole antenna (A) is encased in a dielectric cylinder (H) which is received in a conductive base cylinder (B), having a plurality of metallic conductive guy wires (G) of appropriate length, in turn extended by rope guy wires for support of the mast structure (M), and disposed about and radially depending at an acute angle from the outer surface of the base cylinder to form not only guying functions, but simultaneously to serve as an elevated radial ground plane for the antenna.

IPC 1-7
H01Q 9/38

IPC 8 full level
H01Q 9/38 (2006.01)

CPC (source: EP)
H01Q 9/38 (2013.01)

Citation (search report)

- [A] CH 474164 A 19690615 - THOMSON HOUSTON COMP FRANCAISE [FR]
- [AD] US 4598296 A 19860701 - FAIGEN IVAN [US], et al
- [A] NHK LABORATORIES NOTE, no. S-2, June 1965, pages 1-44; K. ENDO et al.: "A method of exciting a medium-wave broadcast antenna with arbitrarily desired current distribution"
- [A] PATENT ABSTRACTS OF JAPAN, vol. 5, no. 74 (E-57)[746], 16th May 1981; & JP-A-56 24 818 (DENKI KOGYO K.K.) 10-03-1981

Cited by
IT201700083954A1; NO325261B1; US6084549A; WO2019021185A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0387445 A2 19900919; EP 0387445 A3 19910320; CA 2010950 A1 19900916; IL 93525 A0 19901129

DOCDB simple family (application)
EP 89311450 A 19891106; CA 2010950 A 19900226; IL 9352590 A 19900226