

Title (en)

Antenna device of a base station of a mobile telecommunication network.

Title (de)

Antennenvorrichtung einer Basisstation für ein mobiles Kommunikationsnetz

Title (fr)

Dispositif d'antenne pour station fixe d'un réseau de télécommunication mobile

Publication

EP 0980111 A1 20000216 (EN)

Application

EP 98201691 A 19980520

Priority

EP 98201691 A 19980520

Abstract (en)

An antenna device for a base station of a mobile telecommunication network, comprising at least two linear phased-array antennas, with the longitudinal direction of each phased-array antenna being directed at least substantially vertically, the at least three phased-array antennas being jointly accommodated in a tubular housing, with the longitudinal direction of the housing being directed at least substantially vertically. Because the phased-array antennas are jointly accommodated in a single tubular housing, the visual appearance of the antenna is experienced as particularly attractive. The antenna has the appearance of a mast and is therefore hardly noticeable. The housing functions as a radome. An additional advantage of the housing is that the phased-array antennas are protected from weather influences. <IMAGE>

IPC 1-7

H01Q 1/32

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 1/42** (2006.01); **H01Q 21/08** (2006.01)

CPC (source: EP)

H01Q 1/1242 (2013.01); **H01Q 1/42** (2013.01); **H01Q 21/08** (2013.01)

Citation (search report)

- [XY] WO 9706576 A1 19970220 - E SYSTEMS INC [US]
- [X] EP 0688040 A2 19951220 - NIPPON TELEGRAPH & TELEPHONE [JP]
- [Y] WO 9614670 A1 19960517 - DELTEC NEW ZEALAND [NZ], et al
- [A] EP 0575808 A1 19931229 - ALLEN TELECOM GROUP INC [US]
- [A] US 5548813 A 19960820 - CHARAS PHILIPPE M [SE], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 097, no. 001 31 January 1997 (1997-01-31)

Cited by

GB2466585B; EP1343220A1; EP1783856A1; US8965276B2; US7489282B2; US8400367B2; WO0101582A3; WO2005122324A1; US10063297B1; US10069548B2; US10211895B2; US10516451B2; US11108443B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0980111 A1 20000216

DOCDB simple family (application)

EP 98201691 A 19980520