

Title (en)
Dual polarized dipole radiators

Title (de)
Dual polarisierte Dipolstrahler

Title (fr)
Rayonnantes dipoles a double polarisation

Publication
EP 1772929 A1 20070411 (DE)

Application
EP 06016236 A 20060803

Priority
DE 202005015708 U 20051006

Abstract (en)
A dual-polarized radiator radiates in two polarizing planes vertical to each other and has a structure like a dipole square with four sides (3), each of which has two dipole components (9) aligned as an axial extension between two corner points (5). Each polarizing plane runs through an opposite pair of corner points.

IPC 8 full level
H01Q 21/24 (2006.01); **H01Q 9/06** (2006.01)

CPC (source: EP US)
H01Q 9/06 (2013.01 - EP US); **H01Q 21/0087** (2013.01 - EP US); **H01Q 21/24** (2013.01 - EP US)

Citation (search report)

- [Y] DE 10320621 A1 20041209 - KATHREIN WERKE KG [DE]
- [Y] DE 19860121 A1 20000713 - KATHREIN WERKE KG [DE]
- [Y] DE 9104722 U1 19910801
- [Y] WO 2004055938 A2 20040701 - ANDREW CORP [US], et al
- [A] EP 0709913 A2 19960501 - ROHDE & SCHWARZ [DE]
- [A] US 2004201537 A1 20041014 - STOLLE MANFRED [DE], et al

Cited by
DE102015011426A1; CN109301462A; US11817631B2; US11024980B2; WO2023117096A1; WO2023117097A1

Designated contracting state (EPC)
DE ES FR GB SE

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
DE 202005015708 U1 20051229; CN 2924819 Y 20070718; EP 1772929 A1 20070411; US 2007080883 A1 20070412; US 7579999 B2 20090825

DOCDB simple family (application)
DE 202005015708 U 20051006; CN 200620002905 U 20060112; EP 06016236 A 20060803; US 54224406 A 20061004