

Title (en)
Compact broad-band antenna with double linear polarisation

Title (de)
Kompakte Breitbandantenne mit doppelter Linearpolarisation

Title (fr)
Antenne compacte à large bande à double polarisation linéaire

Publication
EP 2610965 A1 20130703 (FR)

Application
EP 12199498 A 20121227

Priority
FR 1104120 A 20111227

Abstract (en)
The antenna (2) has orthogonal dipoles (18), each comprising radiating elements (4), a reflector plane and an absorbing surface. The radiating elements are planar, where each element has triangular shape. The radiating elements are included in a same plane. Each radiating element has slightly rounded free edge (14). The dipoles are inscribed in a circle (K), where the free edge of each radiating element belongs to the circle. Each radiating element has top opposite to the free edge. The top of each radiating element is directed toward center (O) of the circle.

Abstract (fr)
Une antenne (2) d'émission/réception d'ondes électromagnétiques, du type comprenant un plan réflecteur (12), une surface absorbante (10) et deux dipôles (18) orthogonaux comprenant chacun deux éléments rayonnants (4). Les éléments rayonnants (4) sont sensiblement plans et présentent chacun une forme générale triangulaire.

IPC 8 full level
H01Q 1/38 (2006.01); **H01Q 9/28** (2006.01); **H01Q 17/00** (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/26** (2006.01)

CPC (source: EP)
H01Q 1/38 (2013.01); **H01Q 9/285** (2013.01); **H01Q 17/00** (2013.01); **H01Q 19/108** (2013.01); **H01Q 21/26** (2013.01)

Citation (applicant)
US 7692603 B1 20100406 - CENCICH SR THOMAS P [US], et al

Citation (search report)
• [X] FR 2736212 A1 19970103 - DASSAULT ELECTRONIQUE [FR]
• [A] US 3967276 A 19760629 - GOUBAU GEORGE E J
• [A] JP H0618650 A 19940128 - TOKYO GAS CO LTD
• [A] US 2008284673 A1 20081120 - DELGADO HERIBERTO J [US], et al
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CN105490022A

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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DOCDB simple family (application)
EP 12199498 A 20121227; AU 2013200057 A 20130102; CA 2800949 A 20121224; FR 1104120 A 20111227; ZA 201300044 A 20130102