

Title (en)  
Dual polarisation antennas

Title (de)  
Antennen mit zwei Polarisationen

Title (fr)  
Antennes à double polarisations

Publication  
**EP 1022803 A3 20010711 (EN)**

Application  
**EP 99310446 A 19991222**

Priority  
GB 9901298 A 19990122

Abstract (en)  
[origin: EP1022803A2] A dual polarisation antenna has a feed network comprising two feed channels 15, 16 which divide into feed lines 15a, 15b, 16a, 16b respectively coupled to four slots 13a, 13b, 14a, 14b. The four slots are in registration with and couple to four patches 10a, 10b, 12a, 12b which are in turn coupled to a radiating coating 5. <IMAGE> <IMAGE>

IPC 1-7  
**H01Q 9/04**; **H01Q 21/24**; **H01Q 21/06**

IPC 8 full level  
**H01Q 9/04** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP)  
**H01Q 9/0435** (2013.01); **H01Q 9/0457** (2013.01); **H01Q 21/065** (2013.01); **H01Q 21/24** (2013.01)

Citation (search report)  
• [A] US 4903033 A 19900220 - TSAO CHICH-HSING [US], et al  
• [A] GARDIOL F E ET AL: "BROADBAND PATCH ANTENNAS - A SSFIP UPDATE", IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM,US,NEW YORK, IEEE, 21 July 1996 (1996-07-21), pages 2 - 5, XP000782134, ISBN: 0-7803-3217-2

Cited by  
CN110534883A; CN113517559A; CN105449356A; CN110832699A; CN110534890A; EP1689030A4; DE102011011494A1; EP2248223A4; CN114696099A; US6885264B1; WO2009108097A1; WO02095874A1; US6507320B2; US11342688B2; EP1914832A1; US8115684B2

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 1022803 A2 20000726**; **EP 1022803 A3 20010711**; **EP 1022803 B1 20080521**; AT E396515 T1 20080615; DE 69938772 D1 20080703; GB 2346012 A 20000726; GB 2346012 B 20030604; GB 9901298 D0 19990310

DOCDB simple family (application)  
**EP 99310446 A 19991222**; AT 99310446 T 19991222; DE 69938772 T 19991222; GB 9901298 A 19990122