

Title (en)  
DUAL-POLARISED CROSSED DIPOLE AND ANTENNA ARRANGEMENT HAVING TWO SUCH DUAL-POLARISED CROSSED DIPOLES

Title (de)  
DUAL-POLARISierter KREUZDIPOL UND ANTENNENANORDNUNG MIT ZWEI SOLCHEN DUAL-POLARISIERTEN KREUZDIPOLEN

Title (fr)  
ENSEMBLE DIPÔLE CROISÉ À DOUBLE POLARISATION ET ANTENNE COMPRENANT DEUX DIPÔLES CROISÉS À DOUBLE POLARISATION

Publication  
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Application  
**EP 18731041 A 20180608**

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• EP 2018065207 W 20180608

Abstract (en)  
[origin: WO2018224666A1] A dual-polarised crossed dipole (1) comprises a first and a second dipole antenna element (2, 3). Each dipole antenna element (2, 3) comprises two dipole halves (2a, 2b, 3a, 3b), each having an earth connector (4, 8), a signal connector (6, 10), a dipole earth wing (5, 9) and a dipole signal wing (7, 11). The signal connector (6) of the first dipole antenna element (2) runs parallel to the earth connector (4) of the first dipole antenna element (2), and the signal connector (10) of the second dipole antenna element (3) runs parallel to the earth connector (8) of the second dipole antenna element (3). The dipole signal wing (7) and the dipole earth wing (5) of the first dipole antenna element (2) run in opposite directions. The same applies to the dipole signal wing (11) and the dipole earth wing (9) of the second dipole antenna element (3). Each dipole half (2a, 2b, 3a, 3b) is of single-part design in each case. The dipole signal wing (11) of the second dipole antenna element (3) passes through beneath the dipole signal wing (7) of the first dipole antenna element (2), or the dipole earth wing (9) of the second dipole antenna element (3) passes through beneath the dipole earth wing (5) of the first dipole antenna element (2).

IPC 8 full level  
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Citation (examination)  
• CN 201112567 Y 20080910 - MOBILE ANTENNA TECH SHENZHEN [CN]  
• CN 2879454 Y 20070314 - MOBILE ANTENNA TECH SHENZHEN [CN]  
• CN 103682678 A 20140326 - UNIV SOUTH CHINA TECH  
• JP 2002135031 A 20020510 - MITSUBISHI ELECTRIC CORP  
• EP 0709913 A2 19960501 - ROHDE & SCHWARZ [DE]  
• US 2014218254 A1 20140807 - KITCHENER DEAN [GB]  
• JP 5885011 B1 20160315

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