

Title (en)

Antenna switching apparatus selectively connecting antenna with transmitter or receiver

Title (de)

Antennenumschaltanordnung zum Selektiven Verbinden einer Antenne mit einem Sender oder einem Empfänger

Title (fr)

Dispositif de commutation d'antenne pour connecter sélectivement une antenne avec un émetteur ou un récepteur

Publication

EP 0578160 B1 19970115 (EN)

Application

EP 93110677 A 19930705

Priority

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Abstract (en)

[origin: EP0578160A1] In an antenna switching apparatus for selectively connecting an antenna (100) through an antenna terminal (10) with either a transmitter (101) for transmitting a transmitting signal having a transmitting frequency through a transmitting terminal (9), or a receiver (102) for receiving a receiving signal having a receiving frequency different from the transmitting frequency through a receiving terminal (11), a receiving filter (8, 23) for passing therethrough a receiving signal is electrically connected between the antenna terminal (10) and the receiving terminal (11). An impedance adjusting element (6, 21, 32) is electrically connected with an input end of the receiving filter (8, 23), and has such an element value that an impedance when seen from the antenna terminal (10) toward the receiving filter (8, 23) becomes substantially infinity at the transmitting frequency. Further, a switching device (1, 38a, 46 and 38) is electrically connected between the antenna terminal (10) and the transmitting terminal (9), and is switched over in response to a control signal so that an impedance when seen from the antenna terminal (10) toward the transmitting terminal (9) becomes either substantially infinity or substantially zero. <IMAGE>

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Cited by

EP1237222A1; GB2273821A; GB2273821B; FR2703536A1; US5513382A; EP1014592A3; US5784687A; EP0729239A1; EP0700169A3; EP1178608A3; EP1418679A1; EP0667684A1; US5521561A; AU689519B2; EP0921642A3; EP1443666A3; EP0964477A1; SG82616A1; EP0788185A1; US5777530A; GB2273820A; GB2273820B; EP0618635A3; US5634200A; WO0135530A3; WO0235644A1; WO9744913A1; US7005940B2; US6937846B1

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