

Title (en)

BUILT-IN ANTENNA OF WIRELESS COMMUNICATION TERMINAL

Title (de)

EINGEBAUTE ANTENNE FÜR DRAHTLOSES KOMMUNIKATIONSGERÄT

Title (fr)

ANTENNE CONSTITUÉE D'UN TERMINAL DE COMMUNICATION RADIO

Publication

EP 1154513 A1 20011114 (EN)

Application

EP 00939108 A 20000621

Priority

- JP 0004044 W 20000621
- JP 36828499 A 19991224
- JP 2000056476 A 20000301
- JP 2000118692 A 20000419

Abstract (en)

Dipole antenna 12 is constructed of rectangular-wave-shaped antenna elements and the rectangular-wave-shaped antenna elements are mounted in such a way that the longitudinal direction is quasi-perpendicular to the upper surface (horizontal plane) of the radio communication terminal. A signal received by dipole antenna 12 is sent to a transmission/reception circuit via balanced/unbalanced conversion circuit 13. Here, balanced/unbalanced conversion circuit 13 minimizes the current that flows into base plate 11, thus preventing the antenna operation by base plate 11. <IMAGE>

IPC 1-7

H01Q 1/24; H01Q 1/36; H01Q 9/16; H01Q 9/28

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/38** (2006.01); **H01Q 9/04** (2006.01); **H01Q 9/28** (2006.01); **H01Q 9/42** (2006.01);
H01Q 21/28 (2006.01)

CPC (source: EP)

H01Q 1/243 (2013.01); **H01Q 1/244** (2013.01); **H01Q 1/36** (2013.01); **H01Q 1/38** (2013.01); **H01Q 9/0407** (2013.01); **H01Q 9/0421** (2013.01);
H01Q 9/28 (2013.01); **H01Q 9/42** (2013.01); **H01Q 21/28** (2013.01)

Cited by

EP1432068A3; US7199760B2; EP1498982A1; GB2422723A; GB2422723B; EP1363359A1; GB2505527A; GB2505527B; EP3214698A1;
US10581166B2; US8766869B2; US7126545B2; US7002521B2; US10535921B2; US6882319B2; US6781556B2; WO03073553A1;
WO03069727A1; WO2016034887A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1154513 A1 20011114; EP 1154513 A4 20020724; AU 5428200 A 20010709; CN 1345473 A 20020417; WO 0148860 A1 20010705

DOCDB simple family (application)

EP 00939108 A 20000621; AU 5428200 A 20000621; CN 00805491 A 20000621; JP 0004044 W 20000621