

Title (en)  
BUILT-IN ANTENNA OF WIRELESS COMMUNICATION TERMINAL

Title (de)  
EINGEBAUTE ANTENNE FÜR DRAHTLOSES KOMMUNIKATIONSGERÄT

Title (fr)  
ANTENNE CONSTITUEE D'UN TERMINAL DE COMMUNICATION RADIO

Publication  
**EP 1154513 A4 20020724 (EN)**

Application  
**EP 00939108 A 20000621**

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- JP 2000118692 A 20000419

Abstract (en)  
[origin: EP1154513A1] 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 9/28**; **H01Q 1/38**; **H01Q 9/04**; **H01Q 9/42**; **H01Q 21/28**

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)

Citation (search report)

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- [A] EP 0218843 A2 19870422 - BOSCH GMBH ROBERT [DE]
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- [XY] PATENT ABSTRACTS OF JAPAN vol. 010, no. 099 (E - 396) 16 April 1986 (1986-04-16)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 09 31 October 1995 (1995-10-31)
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