

Title (en)

A diamond-shaped loop antenna for a wireless I/O device

Title (de)

Eine diamantförmige Schleifenantenne für drahtloses Ein-/Ausgabegerät

Title (fr)

Antenne boucle en forme de diamant pour dispositif d'entrée/sortie sans fil

Publication

EP 1280231 A1 20030129 (EN)

Application

EP 01118163 A 20010726

Priority

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Abstract (en)

A novel design of diamond-shaped loop antenna is proposed. The proposed devise can be embedded in any I/O device for wireless application, such as a wireless keyboard, mouse, game pad, etc. This right angle structure of both wings of the antenna can be used to improve the palm loading effect for pattern performance, especially in 2.4GHz ISM (Industrial, Scientific and Medical) band. Its circumference length is about one wavelength and pattern looks like circular-loop antenna's radiation. Moreover, this antenna can be fabricated by light-weighted, low cost material of copper. <IMAGE>

IPC 1-7

H01Q 7/00; **H01Q 9/26**; **H01Q 1/36**; **H01Q 9/42**; **H01Q 11/06**

IPC 8 full level

H01Q 1/36 (2006.01); **H01Q 7/00** (2006.01); **H01Q 9/26** (2006.01); **H01Q 9/42** (2006.01); **H01Q 11/06** (2006.01)

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Citation (search report)

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