

Title (en)

Dual-band antenna for a wireless local area network device

Title (de)

Zweibandantenne für eine drahtlose lokale Netzwerkvorrichtung

Title (fr)

Antenne à double bande pour un réseau local sans fil de type LAN

Publication

EP 1764862 A1 20070321 (EN)

Application

EP 06076899 A 20040506

Priority

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- US 46846003 P 20030507
- US 69685203 A 20031030

Abstract (en)

A dual-band antenna (100), a method of manufacturing the same and a wireless networking card incorporating the antenna. In one embodiment, the antenna includes: a substrate (110), an inverted F antenna printed circuit (130) supported by the substrate and tuned to resonate in a first frequency band and a monopole antenna printed circuit (170) supported by the substrate, connected to the inverted F antenna printed circuit and tuned to resonate in a second frequency band.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/10** (2015.01); **H01Q 9/04** (2006.01); **H01Q 9/42** (2006.01); **H01Q 13/08** (2006.01); **H01Q 21/30** (2006.01)

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H01Q 1/243 (2013.01); **H01Q 9/0421** (2013.01); **H01Q 9/42** (2013.01); **H01Q 21/30** (2013.01)

Citation (search report)

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CN107968252A; CN109361054A; CN111162381A

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