

Title (en)
Multi frequency-band antenna

Title (de)
Mehrfrequenzband-Antenne

Title (fr)
Antenne pour plusieurs fréquences

Publication
EP 1168491 B1 20070124 (EN)

Application
EP 00610112 A 20001101

Priority
DK PA200000820 A 20000523

Abstract (en)
[origin: EP1168491A1] A multi frequency band antenna with a low band portion (LB) tuned to a low frequency band, and a first high band portion (HB1) tuned to a first high frequency band at higher frequencies than the low frequency band. The low band portion (LB) and the first high band portion (HB1) have a common first grounding point (GP1), a common feeding point (FP) for feeding input signals to the antenna and for outputting signals from the antenna, and a first conductor portion (CP1), which forms part of the low band portion (LB) and of the first high band portion (HB1). The first conductor portion (CP1) is electrically connected to the first grounding point (GP1) and to the common feeding point (FP). A second high band portion (HB2) is coupled to the first conductor portion (CP1) and tuned to a second high frequency band at a higher frequency than the low frequency band and different from the first high frequency band. The antenna can be tuned to eg the frequencies 900 MHz, 1800 MHz and 1900 MHz currently used for mobile telephones. <IMAGE>

IPC 8 full level
H01Q 9/04 (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/357** (2015.01); **H01Q 5/378** (2015.01); **H01Q 19/00** (2006.01)

CPC (source: EP)
H01Q 1/243 (2013.01); **H01Q 1/38** (2013.01); **H01Q 5/357** (2015.01); **H01Q 5/378** (2015.01); **H01Q 9/0421** (2013.01); **H01Q 19/005** (2013.01)

Cited by
DE10223497A1; EP1263079A1; EP1708307A1; EP1329985A3; GB2402265A; CN113013616A; EP1770825A1; EP1978596A1; US6580396B2; US6707428B2; US7705783B2; US7466267B2; US7362271B2; US7518562B2; US9899737B2

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