Title (en)

MULTI-FREQUENCY BAND ANTENNA

Title (de)

MEHR-BEREICHS-ANTENNE

Title (fr)

ANTENNE A PLUSIEURS PLAGES DE FREQUENCE

Publication

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Application

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Abstract (en)

[origin: US6421024B1] A multiband antenna has a first antenna device for a first frequency band range and at least one second antenna device for a second frequency band range. The first antenna and the at least second antenna are arranged such that they are integrated and interleaved in one another. The associated dipole halves of the antennas are designed to be at least electrically in the form of, or similar to, sleeves or boxes. The dipole halves of the at least two antennas are short-circuited to one another at their respective mutually adjacent end, and extend from there with different lengths depending on the frequency band range to be transmitted. The dipole halves for transmitting the respectively lower frequency band range are located within the dipole halves which are intended for transmitting a respectively higher frequency or a respectively higher frequency band range.

IPC 1-7

H01Q 5/00; H01Q 9/28; H01Q 21/30

IPC 8 full level

H01P 5/16 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/10** (2015.01); **H01Q 5/25** (2015.01); **H01Q 5/371** (2015.01); **H01Q 5/48** (2015.01); **H01Q 9/26** (2006.01); **H01Q 9/28** (2006.01); **H01Q 9/32** (2006.01); **H01Q 21/30** (2006.01)

CPC (source: EP KR US)

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