

Title (en)
MULTI-FREQUENCY BAND ANTENNA

Title (de)
MEHR-BEREICHS-ANTENNE

Title (fr)
ANTENNE A PLUSIEURS PLAGES DE FREQUENCE

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Application
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Abstract (en)
[origin: WO0069018A1] The invention relates to a multi-frequency band antenna which comprises a first antenna unit for a first frequency band range and at least a second antenna unit for a second frequency band range. The inventive antenna is characterized by the following features: the first antenna (3) and the at least second antenna (9) are nested and integrated into each other; the pertaining dipole halves (3'a, 3"a; 9'a, 9"a) of the at least two antennae (3, 9) are configured in the shape of a pot or box or a similar shape at least in terms of their electric equipment; the dipole halves of the at least two antennae (3, 9) are short-circuited (11'a, 11"a) with each other at least at their adjacent ends (7'a, 7"a) and extend from there at different lengths depending on the frequency band range to be transmitted; and the dipole halves (3'a, 3"a; 9'a, 9"a) for transmitting the respective lower frequency band range are located within those dipole halves (9'a, 9"a; 25'a, 25"a) that are provided for the transmission of a respective higher frequency or a respective higher frequency band range.

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