

Title (en)

A multi-band antenna for a portable radio communication device

Title (de)

Mehrband-Antenne für ein tragbares Funkkommunikationsgerät

Title (fr)

Antenne multibande pour dispositif portable de communications radio

Publication

EP 1962375 A1 20080827 (EN)

Application

EP 07445005 A 20070220

Priority

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Abstract (en)

The present invention relates to a multi-band antenna arranged to provide a high frequency band and a low frequency band for a portable radio communication device, the multi-band antenna comprising a main antenna element (1) and a parasitic antenna element (2), wherein the main antenna element (1) is arranged to provide resonance in the high frequency band and the low frequency band, wherein the multi-band antenna comprises controllable switching means (9) arranged to tune the parasitic antenna element (2) to a first parasitic resonance center frequency (IIa) above a first main resonance center frequency (Ia) of the main antenna element (1) in a first state of the switching means (9) and to tune the parasitic antenna element (2) to a second parasitic resonance center frequency (IIb) below a second main resonance center frequency (Ib) in a second state of the switching means (9).

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/378** (2015.01); **H01Q 9/04** (2006.01); **H01Q 19/00** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [X] US 2004233109 A1 20041125 - YING ZHINONG [SE], et al
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