

Title (en)

Antenna device and portable radio communication device comprising such antenna device

Title (de)

Antennenvorrichtung und diese aufweisende tragbare Funkkommunikationsvorrichtung

Title (fr)

Dispositif d'antenne et dispositif de communication radio portable comportant un tel dispositif d'antenne

Publication

EP 2141770 A1 20100106 (EN)

Application

EP 08159354 A 20080630

Priority

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Abstract (en)

The present invention relates to an antenna device for a portable radio communication device adapted for receiving and/or transmitting radio signals in at least a first and a second operating frequency band. The antenna device comprise a half-loop radiating element (2), comprising a first end and a second end, configured for receiving FM frequencies, wherein the antenna device comprises a band stop filter (6) and a capacitor (4) at the first end and an inductor (5) at said second end, the half-loop radiating element (2) is configured to also operate at DVB-H frequencies, the band stop filter (6) is arranged to block the DVB-H frequencies to provide an open-ended termination of the half-loop radiating element (2) for DVB-H frequencies, and the inductor (5) is arranged to short circuit the half-loop radiating element (2) to ground for FM frequencies.

IPC 8 full level

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CPC (source: EP)

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