

Title (en)

Antenna arrangement for a portable radio communication device, and portable radio communication device comprising such an antenna arrangement

Title (de)

Antennenanordnung für eine Funkkommunikationsvorrichtung und tragbare Funkkommunikationsvorrichtung mit einer solchen Antennenanordnung

Title (fr)

Agencement d'antenne pour dispositif de communication radio, et dispositif de communication radio portable comportant un tel agencement d'antenne

Publication

EP 2151890 A1 20100210 (EN)

Application

EP 08162020 A 20080807

Priority

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Abstract (en)

The present invention relates to an antenna arrangement for a portable radio communication device, comprising a radiating element, a ground plane means and a decoupling means, wherein the radiating element is provided at a first end of the ground plane means. The radiating element is configured to provide radio frequency operation for at least a first radio frequency band, and the decoupling means is provided on the ground plane means to decouple a second end of the ground plane means, opposite the first end, from the first radio frequency band.

IPC 8 full level

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CPC (source: EP)

H01Q 1/243 (2013.01); **H01Q 1/48** (2013.01); **H01Q 1/52** (2013.01)

Citation (search report)

- [X] US 6624789 B1 20030923 - KANGASVIERI TOMI [FI], et al
- [X] US 2006262026 A1 20061123 - GAINEY KENNETH M [US], et al
- [A] WO 2008005616 A2 20080110 - FLEXTRONICS AP LLC [US], et al
- [A] JP H10261914 A 19980929 - MURATA MANUFACTURING CO, et al
- [A] EP 0716470 A1 19960612 - AT & T CORP [US]
- [A] US 2004125029 A1 20040701 - MAOZ JOSEPH [IL], et al
- [A] WO 2008084273 A2 20080717 - NOKIA CORP [FI], et al

Cited by

CN102055822A; WO2021036312A1

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DOCDB simple family (publication)

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