

Title (en)

Dual feed multiband antenna and a portable radio communication device comprising such an antenna

Title (de)

Merhband Antenne mit doppelter Speisung und tragbare Funkkommunikationsvorrichtung mit solcher Antenne

Title (fr)

Antenne multibande à double alimentation et dispositif de communication radio portable comportant une telle antenne

Publication

EP 2113965 A1 20091104 (EN)

Application

EP 08155275 A 20080428

Priority

EP 08155275 A 20080428

Abstract (en)

The present invention relates to an antenna device for a portable radio communication device, comprising a first radiating element (1) having a first feed portion (5), a second radiating element (2) having a second feed portion (6), a first filter (3) and a second filter (4), wherein said first and second radiating elements (1, 2) are interconnected through said first filter (3), said first radiating element (1) is configured to be tuned to a first frequency band, and said second radiating element (2) is configured to be tuned to a second frequency band, wherein said first radiating element (1) is configured to be fed by at least said first frequency band and a third frequency band lower than said first frequency band and said second frequency band through said first feed portion (5), said second radiating element (2) is configured to be fed by said second frequency band through said second filter (4), said first filter (3) is configured to block said first and second frequency bands and pass said third frequency band, and said second filter (4) is configured to block said third frequency band and pass said second frequency band.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- JP H10247814 A 19980914 - MITSUBISHI ELECTRIC CORP
- JP H11251825 A 19990917 - KENWOOD CORP
- JP S61265905 A 19861125 - TOYO COMMUNICATION EQUIP
- US 2006262028 A1 20061123 - TAKEI KEN [JP]

Citation (search report)

- [X] JP H10247814 A 19980914 - MITSUBISHI ELECTRIC CORP
- [A] JP H11251825 A 19990917 - KENWOOD CORP
- [A] JP S61265905 A 19861125 - TOYO COMMUNICATION EQUIP
- [A] US 2006262028 A1 20061123 - TAKEI KEN [JP]
- [A] EP 1764866 A1 20070321 - INFINEON TECHNOLOGIES AG [DE]
- [E] US 2008174508 A1 20080724 - IWAI HIROSHI [JP], et al

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DE

Designated extension state (EPC)

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DOCDB simple family (publication)

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