

Title (en)
Compact multiband antenna.

Title (de)
Kompakte Mehrbandantenne

Title (fr)
Antenne compacte multibande

Publication
EP 1689025 A1 20060809 (EN)

Application
EP 06101259 A 20060203

Priority
IT VI20050031 A 20050203

Abstract (en)
Compact multiband antenna (1) comprising at least one metallic element (2), for the reception of radio-frequency signals relating to a plurality of frequency bands, and a multilayer printed circuit (3; 103), combined with the metallic element (2), provided with a first end layer (4; 104), made of conductive material and on which a plurality of electronic components (5) are arranged to create at least a first electronic circuit, and a second end layer (6; 106) opposite the first (4; 104), also made of conductive material and on which a plurality of electronic components (7) are arranged to create at least a second electronic circuit. The multilayer printed circuit (3; 103) comprises at least one intermediate layer (8; 108), made of conductive material and separated from said first and second end layers (4, 6; 104, 106) by one or more layers of insulating material (9; 109), said at least one intermediate layer (8; 108) constituting an earth reference electrically connected to said electronic circuits and suited to electromagnetically separate said first and second end layers (4, 6; 104, 106) from one another.

IPC 8 full level
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Citation (search report)

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