

Title (en)

Wireless module with integrated slot antenna

Title (de)

Drahtloses Modul mit integrierter Schlitzantenne

Title (fr)

Module sans fil comprenant une antenne à fentes intégrée

Publication

EP 1950834 A1 20080730 (EN)

Application

EP 07001518 A 20070124

Priority

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Abstract (en)

The present invention relates to a wireless radio-frequency module (100) comprising a printed circuit board (102) provided with an electric radio-frequency circuit (103a, 103b, 103c), a metal casing (101) mounted to the printed circuit board, and a slot antenna (158) formed in the metal casing, wherein the printed circuit board (102) being provided with a coplanar waveguide (125), being coupled to the radio-frequency circuit and being coupled to the slot antenna (158) by means of a feeding mechanism (170, 159).

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 13/10** (2006.01)

CPC (source: EP)

H01Q 1/243 (2013.01); **H01Q 13/10** (2013.01)

Citation (applicant)

- WO 02095869 A1 20021128 - KONINKL PHILIPS ELECTRONICS NV [NL]
- US 2005237251 A1 20051027 - BOYLE KEVIN R [GB], et al
- EP 1533867 A1 20050525 - ALPS ELECTRIC CO LTD [JP]
- US 6424309 B1 20020723 - JOHNSTON RONALD H [CA], et al
- EP 1418642 A2 20040512 - SONY ERICSSON MOBILE COMM JP [JP]

Citation (search report)

- [Y] EP 1533867 A1 20050525 - ALPS ELECTRIC CO LTD [JP]
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- [A] US 2003011522 A1 20030116 - MCKINZIE WILLIAM E [US], et al
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