

Title (en)

Wireless communication device and method of using the same

Title (de)

Drahtlose Kommunikationsvorrichtung und Verwendungsverfahren

Title (fr)

Dispositif de communication sans fil et procédé pour son utilisation

Publication

EP 2312688 A2 20110420 (EN)

Application

EP 10173856 A 20100824

Priority

JP 2009205298 A 20090904

Abstract (en)

A wireless communication device (10) having an antenna element (18) accommodating a wide frequency band with a high gain while satisfying the needs for a smaller size and a smaller thickness is provided. The wireless communication device (10) includes: a housing of a rectangular parallelepiped shape that is constituted by a lower case (12) and an upper case (11) having an elongated top panel (14) and side panels (15, 16) circumferentially-provided around the top panel (14); and a substrate (13) having a connector (22) for connecting with a mobile device and a communication electronic component provided inside the housing, wherein an antenna element (18) is formed in a sheet shape generally across an entire surface of the top panel (14) of the upper case (11).

IPC 8 full level

H01Q 1/24 (2006.01)

CPC (source: EP)

H01Q 1/243 (2013.01)

Citation (applicant)

JP 2007528057 A 20071004

Cited by

CN108199140A; WO2019161673A1; US9420735B2

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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