Title (en)
Slot antenna, terminal and method for adjustment parameter of slot antenna

Title (de)
Schlitzantenne, Endgerät und Verfahren zum Einstellen von Parametern einer Schlitzantenne

Title (fr)
Antenne à fentes, terminal et procédé pour le réglage des paramètres de l'antenne à fentes

Publication
EP 2343776 A1 20110713 (EN)

Application
EP 10197121 A 20101228

Priority
CN 201010001612 A 20100107

Abstract (en)
This application belongs to the field of antenna, and discloses a slot antenna, a terminal and a method for adjusting a parameter of the slot antenna. The slot antenna includes a board, a coupling chip and a feed point. A semi-closed slot area is formed on one side of the board. The coupling chip is located in the semi-closed slot area, and forms a slot with a lower wall and a side wall of the semi-closed slot area. The feed point is located in the slot formed between the coupling chip and the side wall. The method includes: adjusting at least one of the size of the slot, the size of the semi-closed slot area, the size of the coupling chip, and the number of layers of the coupling chip so as to obtain the corresponding resonant frequency and bandwidth. The terminal includes the slot antenna. The present invention enables the uniform distribution of the current on the board, thus achieving better omni-directional radiation feature, and the antenna size is smaller, thus occupying smaller area on a baseboard and leaving more area for other components.

IPC 8 full level
H01Q 13/16 (2006.01)

CPC (source: EP)
H01Q 13/16 (2013.01)

Citation (search report)
- [XI] US 2008169989 A1 20080717 - LI QIAN [US], et al
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

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DOCDB simple family (application)
EP 10197121 A 20101228; CN 2010076764 W 20100909; CN 201010001612 A 20100107; ES 10197121 T 20101228