

Title (en)
ELECTRONIC DEVICE FOR TUNING ANTENNA

Title (de)
ELEKTRONISCHE VORRICHTUNG ZUR ABSTIMMUNG EINER ANTENNE

Title (fr)
DISPOSITIF ÉLECTRONIQUE POUR ACCORDER UNE ANTENNE

Publication
EP 3982482 A4 20220817 (EN)

Application
EP 20817662 A 20200603

Priority
• KR 20190067303 A 20190607
• KR 2020007200 W 20200603

Abstract (en)
[origin: EP3982482A1] According to various embodiments, an electronic device may comprise: a slide frame for moving a first body from a first state to a second state; and a connection structure for electrically connecting the first body to a second body, wherein the first body includes an antenna and a first printed circuit board (PCB), the antenna is disposed in the first PCB, the second body includes a radio frequency (RF) module and a second PCB, and the RF module is disposed in the second PCB. The connection structure comprises: at least one antenna connection terminal disposed on the first PCB; and at least two RF connection terminals disposed on the second PCB, wherein the at least two RF connection terminals include a first RF connection terminal and a second RF connection terminal. The first body is electrically connected, in the first state, to the first RF connection terminal via the connection structure, and is electrically connected, in the second state, to the second RF connection terminal via the connection structure. The second PCB may include a first RF tuning circuit for the first RF connection terminal and a second RF tuning circuit for the second RF connection terminal.

IPC 8 full level
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CPC (source: EP KR)
H01Q 1/243 (2013.01 - EP KR); **H01Q 1/244** (2013.01 - EP); **H01Q 1/38** (2013.01 - KR); **H01R 12/57** (2013.01 - KR)

Citation (search report)
• [X] US 7224316 B2 20070529 - OZKAR METE [US], et al
• [A] JP 2007201918 A 20070809 - MITSUBISHI ELECTRIC CORP
• [A] US 8154460 B2 20120410 - SAKATA TSUTOMU [JP], et al
• [A] US 2004242289 A1 20041202 - JELLICOE ROGER [US], et al
• See references of WO 2020246795A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3982482 A1 20220413; **EP 3982482 A4 20220817**; KR 20200140544 A 20201216; WO 2020246795 A1 20201210

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