

Title (en)
ELECTRONIC DEVICE AND METHOD OF OPERATING THE SAME

Title (de)
ELEKTRONISCHE VORRICHTUNG UND VERFAHREN ZUM BETRIEB DAVON

Title (fr)
DISPOSITIF ÉLECTRONIQUE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 3036792 A4 20170405 (EN)

Application
EP 14838073 A 20140822

Priority

- KR 20130100528 A 20130823
- KR 20140078030 A 20140625
- KR 2014007832 W 20140822

Abstract (en)
[origin: KR20150027682A] According to an embodiment of the present invention, provided is an electronic device including a processor and an antenna device. The antenna device includes: a power feeding unit; a first radiation unit electrically connected to the power feeding unit; and a switching element including a first terminal electrically connected to a first portion of the first radiation unit, and a second terminal electrically connected to a second portion of the first radiation unit. The processor uses a first resonance frequency band when the switching element is opened and uses a second resonance frequency which is different from the first resonance frequency band when the switching element is closed. The electronic device may be variously modified.

IPC 8 full level
H01Q 9/14 (2006.01); **H01Q 5/321** (2015.01); **H01Q 5/378** (2015.01); **H01Q 9/04** (2006.01); **H01Q 9/42** (2006.01)

CPC (source: EP US)
H01Q 5/321 (2015.01 - EP); **H01Q 9/0442** (2013.01 - EP US); **H01Q 9/145** (2013.01 - EP); **H01Q 9/42** (2013.01 - EP)

Citation (search report)

- [X] US 2004041734 A1 20040304 - SHIOTSU SHINICHI [JP], et al
- [XI] US 2012287014 A1 20121115 - TSENG CHUN-WEI [TW], et al
- [X] WO 2012157314 A1 20121122 - MURATA MANUFACTURING CO [JP], et al
- [X] WO 2012169186 A1 20121213 - PANASONIC CORP [JP], et al
- [XA] US 2013099996 A1 20130425 - TSENG CHUN-WEI [TW], et al
- [XP] EP 2645479 A1 20131002 - ACER INC [TW]
- See references of WO 2015026199A1

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

DOCDB simple family (publication)
CN 105474460 A 20160406; CN 105474460 B 20180810; EP 3036792 A1 20160629; EP 3036792 A4 20170405; KR 102229382 B1 20210322; KR 20150027682 A 20150312

DOCDB simple family (application)
CN 201480046495 A 20140822; EP 14838073 A 20140822; KR 20140078030 A 20140625