

Title (en)

Communication device and antenna element therein

Title (de)

Kommunikationsvorrichtung und Antennenelement darin

Title (fr)

Dispositif de communication et élément d'antenne correspondant

Publication

**EP 2775562 A1 20140910 (EN)**

Application

**EP 13168114 A 20130516**

Priority

TW 102108180 A 20130308

Abstract (en)

A communication device including a ground element and an antenna element is provided. The antenna element includes a first portion and a second portion. The first portion has a first end and a second end. The first end is used as a first feeding point of the antenna element. The second portion has a third end and a fourth end. The third end is used as a second feeding point of the antenna element, and the fourth end is open. A first switch is coupled between the second end of the first portion and the third end of the second portion. The first switch is further coupled through the first portion and a first reactive circuit to a communication module. A second switch is coupled to the third end of the second portion. The second switch is further coupled through a second reactive circuit to the communication module.

IPC 8 full level

**H01Q 1/24** (2006.01); **H01Q 5/10** (2015.01); **H01Q 9/14** (2006.01); **H01Q 9/42** (2006.01)

CPC (source: EP)

**H01Q 1/243** (2013.01); **H01Q 9/145** (2013.01); **H01Q 9/42** (2013.01)

Citation (search report)

- [Y] WO 2011021027 A2 20110224 - ANTENNOVA LTD [GB], et al
- [Y] WO 0131732 A1 20010503 - ALLGON AB [SE], et al
- [A] JP 2012256999 A 20121227 - PANASONIC CORP & US 2014015729 A1 20140116 - UEJIMA HIROYUKI [JP], et al
- [A] WO 2010120218 A1 20101021 - LAIRD TECHNOLOGIES AB [SE], et al

Cited by

CN108321495A

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 2775562 A1 20140910**; **EP 2775562 B1 20170208**; TW 201436358 A 20140916; TW I511371 B 20151201

DOCDB simple family (application)

**EP 13168114 A 20130516**; TW 102108180 A 20130308