

Title (en)

A SMALL ANTENNA WITH MULTIFOLD RESONANCES AND MULTIPLE FEEDERS

Title (de)

KLEINE ANTENNE MIT MEHRFACHEN RESONANZEN UND MEHREREN ZUFÜHRUNGEN

Title (fr)

PETITE ANTENNE À RÉSONANCES MULTIPLES ET LIGNES D'ALIMENTATION MULTIPLES

Publication

EP 2087552 A4 20131106 (EN)

Application

EP 07833610 A 20071026

Priority

- KR 2007005301 W 20071026
- KR 20060104643 A 20061026
- KR 20070107739 A 20071025

Abstract (en)

[origin: WO2008051043A1] Provided is a small antenna with multifold resonances and multiple feeders. The antenna includes an antenna element; a plurality of feeders for supplying power to the antenna element; and a feed switch for selectively connecting one of the feeders with the antenna element to supply power to the antenna element, wherein the feeders are disposed to vary a total length of the antenna element.

IPC 8 full level

H01Q 9/30 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/335** (2015.01); **H01Q 5/357** (2015.01); **H01Q 9/14** (2006.01)

CPC (source: EP KR)

H01Q 1/24 (2013.01 - KR); **H01Q 3/24** (2013.01 - KR); **H01Q 5/00** (2013.01 - EP KR); **H01Q 5/335** (2015.01 - EP); **H01Q 5/357** (2015.01 - EP); **H01Q 9/145** (2013.01 - EP); **H01Q 9/27** (2013.01 - EP); **H01Q 9/30** (2013.01 - KR)

Citation (search report)

- [X] JP H11163620 A 19990618 - SHARP KK
- [X] US 2006132360 A1 20060622 - CAIMI FRANK M [US], et al
- [X] WO 0129927 A1 20010426 - SIEMENS AG [DE], et al
- [X] GB 2317271 A 19980318 - NEC CORP [JP]
- [X] EP 1633018 A2 20060308 - LG ELECTRONICS INC [KR]
- See references of WO 2008051043A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008051043 A1 20080502; EP 2087552 A1 20090812; EP 2087552 A4 20131106; KR 100954378 B1 20100426; KR 20080038032 A 20080502

DOCDB simple family (application)

KR 2007005301 W 20071026; EP 07833610 A 20071026; KR 20070107739 A 20071025