

Title (en)

FEED NETWORK STRUCTURE AND ARRANGEMENT METHOD OF PLANAR WAVEGUIDE ANTENNA

Title (de)

SPEISUNGSNETZSTRUKTUR UND VERFAHREN ZUR ANORDNUNG EINER PLANAREN WELLENLEITERANTENNE

Title (fr)

STRUCTURE DE RÉSEAU D'ALIMENTATION ET TECHNIQUE D'AGENCEMENT D'UNE ANTENNE À GUIDE D'ONDES PLANAIRE

Publication

EP 2237371 A2 20101006 (EN)

Application

EP 09704021 A 20090123

Priority

- KR 2009000385 W 20090123
- KR 20080008234 A 20080125

Abstract (en)

Provided are a structure of a feeding network for a flat-type waveguide antenna and an array method thereof. In particular, by a structure of a feeding network for a flat-type waveguide antenna including a waveguide receiving a signal to be radiated, a T-type power divider including a first line receiving applied power, a second line receiving asymmetrically divided power, and a third line receiving power divided asymmetrically with the second line, wherein the signal is transmitted by adjusting a phase and an impedance of the signal, and a cell resonating and radiating the signal, the level of a side-lobe is lowered, thereby preventing wireless interference and jamming to adjacent base station and wiretapping.

IPC 8 full level

H01P 5/20 (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP KR)

H01P 5/04 (2013.01 - KR); **H01P 5/08** (2013.01 - KR); **H01P 5/20** (2013.01 - EP); **H01Q 13/00** (2013.01 - KR); **H01Q 21/005** (2013.01 - EP); **H01Q 21/064** (2013.01 - EP)

Cited by

JPWO2017056246A1; WO2017056246A1; US9640847B2; US10249922B2; US9859597B2; US10096877B2; US10243245B2; US10686235B2; US11095009B2; US8988300B2; US9184482B2; US10079422B2; US10230150B2; US10530034B2; US11101537B2; US11171401B2

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

KR 2008002842 W 20080522; EP 09704021 A 20090123; KR 2009000385 W 20090123; KR 20090005946 A 20090123