

Title (en)
Phase array antenna system

Title (de)
Phasen-Array-Antennensystem

Title (fr)
Système d'antennes à réseaux de phases

Publication
EP 2381533 B1 20120321 (DE)

Application
EP 10401056 A 20100415

Priority
EP 10401056 A 20100415

Abstract (en)
[origin: EP2381533A1] The phase-array-antenna system (1) has a wide-band antenna segment (2), where the antenna segment has multiple slit antenna elements (3) which emit linear polarized waves. The antenna element has a structure of a Vivaldi antenna which has a circular free space in a metal surface and a slot outgoing from the free space. An internal surface area of the antenna element is arranged opposite to the slit sides of the antenna element. An independent claim is also included for a method for producing an electrical field with temporally varying polarization.

IPC 8 full level
H01Q 21/24 (2006.01); **H01Q 13/08** (2006.01)

CPC (source: EP)
H01Q 13/085 (2013.01); **H01Q 21/24** (2013.01)

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 SM TR

DOCDB simple family (publication)
EP 2381533 A1 20111026; EP 2381533 B1 20120321; AT E550807 T1 20120415; ES 2383884 T3 20120627

DOCDB simple family (application)
EP 10401056 A 20100415; AT 10401056 T 20100415; ES 10401056 T 20100415