

Title (en)

VARIABLE STAGGER REFLECTOR FOR AZIMUTH BEAM WIDTH CONTROLLED ANTENNA

Title (de)

VARIABEL GESTAFFELTER REFLEKTOR FÜR EINE AZIMUTSTRAHLBREITENGESTEUERTE ANTENNE

Title (fr)

REFLECTEUR A ETAGE VARIABLE DESTINE A UNE ANTENNE COMMANDEE PAR LARGEUR DE FAISCEAU A AZIMUT

Publication

EP 2218119 A1 20100818 (EN)

Application

EP 08847232 A 20081106

Priority

- US 2008082697 W 20081106
- US 263507 P 20071109

Abstract (en)

[origin: WO2009061966A1] An antenna array (100) with variably controlled reflector stagger is disclosed. The antenna array (100) contains a plurality of driven radiating elements (110, 120) that are spatially arranged having each radiating element or element groups orthogonally movable relative to a main vertical axis. This configuration provides a controlled variation of the antenna array's azimuth radiation pattern without excessive side lobe radiation over a full range of settings.

IPC 8 full level

H10N 10/00 (2023.01); **H01Q 3/01** (2006.01); **H01Q 21/08** (2006.01)

CPC (source: EP)

H01Q 3/01 (2013.01); **H01Q 21/08** (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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009061966 A1 20090514; EP 2218119 A1 20100818; EP 2218119 A4 20110525; EP 2218119 B1 20120725

DOCDB simple family (application)

US 2008082697 W 20081106; EP 08847232 A 20081106