

Title (en)
Phased array

Title (de)
Gruppenantenne

Title (fr)
Antenne réseau

Publication
EP 2259379 B1 20170426 (EN)

Application
EP 10163719 A 20100524

Priority
IE 20090401 A 20090522

Abstract (en)
[origin: EP2259379A2] The present invention is directed to a phase shifter comprising a primary printed circuit board (PCB) having at least an arcuate co-centric unconnected double track printed thereon, and, a secondary PCB having printed thereon at least an arcuate co-centric double track connected by a radially extending link track located at neighbouring ends of the double track; whereby, the secondary PCB is rotatably mounted on the primary PCB such that the arcuate co-centric double tracks on both PCBs partially overlap one another so as to be in electrical communication with one another. The advantage of providing arcuate co-centric tracks on the secondary PCB and the primary PCB is that rotation of the secondary PCB may be used to increase the length of the completed track circuit rather than a translational movement of the secondary PCB. Therefore, no additional area on the primary PCB has to be reserved to accommodate the movement of the secondary PCB. A variable phase shifter and a differential phase shifter may also be constructed in analogous manners.

IPC 8 full level
H01Q 3/32 (2006.01); **H01P 1/18** (2006.01); **H01Q 1/24** (2006.01)

CPC (source: EP)
H01P 1/184 (2013.01); **H01Q 1/246** (2013.01); **H01Q 3/32** (2013.01)

Cited by
CN109687062A; CN105514537A; FR2977381A1; CN103636065A; CN110474135A; WO2013000987A1

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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2259379 A2 20101208; EP 2259379 A3 20110302; EP 2259379 B1 20170426; IE 20100336 A1 20110105; IE S20100335 A2 20101124

DOCDB simple family (application)
EP 10163719 A 20100524; IE 20100336 A 20100524; IE S20100335 A 20100524