Title (en)

A phase shifter

Title (de)

Phasenschieber

Title (fr)

Déphaseur

Publication

EP 2259379 A3 20110302 (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)

Citation (search report)

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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

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