Title (en)
    DIFFERENCE PHASE SLIDER ASSEMBLY

Title (de)
    DIFFERENZ-PHASENSCHIEBERBAUGRUPPE

Title (fr)
    BLOC DEPHASEUR DIFFERENTIEL

Publication
    EP 3096393 B1 20180124 (DE)

Application
    EP 16157276 A 20160225

Priority
    • DE 102015006622 A 20150522
    • DE 102015121799 A 20151215

Abstract (en)
    [origin: US9431703B1] A differential phase shifter assembly with n striplines positioned concentrically with one another, on the opposite stripline ends of which connecting points for connecting lines leading to radiators are provided, where n is a natural integer greater than or equal to 2. A feeding and/or tapping device is pivotable about a central and/or pivot axis, and is therefore pivotable over the plurality of striplines while establishing a primary capacitive coupling. A central feed serves to feed the feeding and/or tapping device. At least one to n−1 secondary capacitive couplings are additionally provided. The one or more secondary capacitive couplings are provided on the side of the feeding and/or tapping assembly facing the primary capacitive coupling. For the at least one additional secondary capacitive coupling, at least one additional branched feeding and/or tapping device is provided, which together with the feeding and/or tapping device is pivotable about the central and/or pivot axis.

IPC 8 full level
    H01P 1/18 (2006.01); **H01P 5/02** (2006.01); **H01Q 3/32** (2006.01)

CPC (source: CN EP US)
    H01P 1/184 (2013.01 - CN EP US); **H01P 5/028** (2013.01 - EP US); **H01Q 3/30** (2013.01 - US); **H01Q 3/32** (2013.01 - EP US); **H01Q 21/00** (2013.01 - US); **H01Q 21/06** (2013.01 - CN)

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 RS SE SI SK SM TR

DOCDB simple family (publication)
    US 9431703 B1 20160830; CN 106169634 A 20161130; CN 106169634 B 20190212; EP 3096393 A1 20161123; EP 3096393 B1 20180124

DOCDB simple family (application)
    US 201615149432 A 20160509; CN 201610326395 A 20160517; EP 16157276 A 20160225