

Title (en)

Method for selecting a phase shift, phase shifter, beamformer and antenna array

Title (de)

Verfahren zur Auswahl einer Phasenverschiebung, Phasenverschieber, Strahlformer und Antennengruppe

Title (fr)

Procédé pour sélectionner un déphasage, déphaseur, formeur de faisceau et réseau d'antennes

Publication

EP 2996190 A1 20160316 (EN)

Application

EP 14306380 A 20140909

Priority

EP 14306380 A 20140909

Abstract (en)

An RF reflection type phase shifter (RTPS) comprising a coupling device coupled to multiple reflective loads, n, respective ones of which include at least one variable reactance device with maximum reactance, X max , and, minimum reactance, X min , and at least two impedance transformers the characteristic impedances of which are selected according to predefined criteria to provide an increase in the value of a phase shift to be applied to a signal input to the RTPS proportional to the value of n.

IPC 8 full level

H01P 1/18 (2006.01)

CPC (source: EP)

H01P 1/184 (2013.01)

Citation (search report)

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- [XI] US 4859972 A 19890822 - FRANKE STEVEN J [US], et al
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- [XAI] US 2005040874 A1 20050224 - ALLISON ROBERT C [US], et al
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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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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