

Title (en)

APPARATUSES, SYSTEMS, AND METHODS FOR REDUCING TRANSMISSION LINE INSERTION LOSS USING TRIMMING LINES

Title (de)

VORRICHTUNGEN, SYSTEME UND VERFAHREN ZUR REDUZIERUNG VON ÜBERTRAGUNGSLEITUNGSEINFÜHRUNGSVERLUST UNTER VERWENDUNG VON TRIMMLEITUNGEN

Title (fr)

APPAREILS, SYSTÈMES ET PROCÉDÉS POUR RÉDUIRE LA PERTE D'INSERTION DE LIGNE DE TRANSMISSION À L'AIDE DE LIGNES DE ROGNAGE

Publication

EP 4329086 A1 20240228 (EN)

Application

EP 23191160 A 20230811

Priority

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Abstract (en)

A disclosed system may include (1) a coplanar waveguide that includes a signal region and a ground region, (2) a first trimming line positioned in the signal region of the coplanar waveguide, and (3) a second trimming line positioned in the ground region of the coplanar waveguide, (4) wherein the first trimming line and the second trimming line form a floating region in the coplanar waveguide that is configured to receive an input radio frequency signal. Various other apparatuses, systems, and methods of manufacture are also disclosed.

IPC 8 full level

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H01P 3/003 (2013.01); **H01P 11/003** (2013.01); **H01Q 1/273** (2013.01); **H01Q 1/364** (2013.01)

Citation (search report)

- [XY] WO 2021033805 A1 20210225 - LG ELECTRONICS INC [KR]
- [X] WO 2022075587 A1 20220414 - LG ELECTRONICS INC [KR], et al & US 2023261357 A1 20230817 - JUNG KANGJAE [KR], et al
- [Y] WO 2021201323 A1 20211007 - LG ELECTRONICS INC [KR]

Designated contracting state (EPC)

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