

Title (en)
PHASE-SHIFT CONTROL SYSTEM AND METHOD

Title (de)
PHASENVERSCHIEBUNGSSTEUERUNGSSYSTEM UND -VERFAHREN

Title (fr)
SYSTÈME ET PROCÉDÉ DE COMMANDE DE DÉPHASAGE

Publication
EP 4376212 A1 20240529 (EN)

Application
EP 23800720 A 20230522

Priority
• CN 202211222948 A 20221008
• CN 2023095503 W 20230522

Abstract (en)
The present application provides a phase shift control system and method, the system includes: a capacitance detecting module, used for detecting a capacitance value between a radio frequency transmission line and a ground layer; and a voltage controlling module, connected to a radio frequency transmission line of a liquid crystal phase shifter and a ground layer of the liquid crystal phase shifter, and used for adjusting, based on an actual measured value of a dielectric constant of a liquid crystal layer, a voltage until a difference value between the voltage and a target voltage is less than or equal to a preset deviation.

IPC 8 full level
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