

Title (en)
Voltage tunable coplanar phase shifters

Title (de)
Spannungsgesteuerte koplanare Phasenschieber

Title (fr)
Déphaseurs coplanaires accordables en tension

Publication
EP 1530249 B1 20060301 (EN)

Application
EP 05000308 A 20000822

Priority
• EP 00955822 A 20000822
• US 15061899 P 19990824

Abstract (en)
[origin: EP1530249A1] A reflective termination coplanar waveguide phase shifter including a substrate, a tunable dielectric film having a dielectric constant between 70 to 600, a tuning range of 20 to 60%, and a loss tangent between 0.008 to 0.03 at K and Ka bands positioned on a surface of the substrate, first and second open ended coplanar waveguides positioned on a surface of the tunable dielectric film opposite the substrate, microstrip line for coupling a radio frequency signal to and from the first and second coplanar waveguides, and a connection for applying a control voltage to the tunable dielectric film. <IMAGE>

IPC 8 full level
H01P 1/18 (2006.01)

CPC (source: EP)
H01P 1/181 (2013.01)

Cited by
CN115275551A; CN115176382A; CN115084805A; CN110970693A; CN113809491A; US11881631B2; WO2022178800A1; WO2022160157A1; WO2023141854A1

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