

Title (en)
PHASE SHIFTER AND ANTENNA

Title (de)
PHASENVERSCHIEBER UND ANTENNE

Title (fr)
DÉPHASEUR ET ANTENNE

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Abstract (en)
The present invention provides a phase shifter and an antenna. The phase shifter includes an arc conductor component and a coupling arm component that is swingably disposed along the arc conductor component. The arc conductor component includes a first arc conductor and a second arc conductor that are concentrically disposed. The coupling arm component includes a first coupling arm and a second coupling arm that are disposed in a spatially isolated manner. A first end of the first coupling arm laps over the first arc conductor, and a second end of the first coupling arm is an input end for inputting a signal. A first end of the second coupling arm laps over the first arc conductor, and a second end of the second coupling arm laps over the second arc conductor. The first coupling arm and the second coupling arm lap over the first arc conductor at different positions, and a capacitive coupling electrical connection is formed at a lapping position between each coupling arm and each arc conductor. The phase shifter provided in the embodiments of the present invention is simple in structure and convenient for manufacture, which may effectively reduce coupling between arc conductors and improve the performance of the phase shifter.

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US10560856B2; US10148017B2; US10847902B2; EP3092677B1

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