

Title (en)
BALANCED TO UNBALANCED CIRCUIT

Title (de)
SYMMETRIERSCHALTUNG

Title (fr)
CIRCUIT BALUN

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Application
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Abstract (en)
[origin: WO0101514A1] The present invention relates to a balun circuit (1B) comprising a first sub-circuit (10) and a second sub-circuit (20) which each correspond to, or essentially to, a lambda /4-wave guide. The first sub-circuit (10) includes a first conductor (10U), a second conductor (10L) and a dielectric layer disposed between said first and second conductors, said conductors being connected together capacitively and inductively. The second sub-circuit (20) includes a first conductor (20U), a second conductor (20L) and a dielectric layer disposed between said first and second conductors, said conductors being connected together capacitively and inductively. A first side on the first conductor (10U) in the first sub-circuit (10) is connected to an input port (P1). A second side on the first conductor (10U) in the first sub-circuit (10) is connected to a first side on the first conductor (20U) in the second sub-circuit (20) via a connecting conductor (15). A second side on the second conductor (10L) in the first sub-circuit (10) is connected to a first output port (P2). A first side on the second conductor (20L) in the second sub-circuit (20) is connected to a second output port (P3). A first open terminating lambda /4-wave guide (30) is connected to a second side on the second conductor (10L) in the first sub-circuit (10), and a second open terminating lambda /4-wave guide (40) is connected to a second side of the second conductor (20L) in the second sub-circuit (20).

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