Title (en)

BROADBAND BALANCE-TO-UNBALANCE TRANSFORMER

Title (de)

BREITBANDIGER SYMMETRIERÜBERTRAGER

Title (fr)

SYMETRISEUR LARGE BANDE

Publication

EP 1743396 A2 20070117 (DE)

Application

EP 05732248 A 20050414

Priority

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Abstract (en)

[origin: WO2005109975A2] The invention relates to a balance-to-unbalance transformer (balun) comprising a first signal input/output (1) with two symmetrical poles (2, 3), a second signal input (4) with one pole (5), several first conductor loop regions (6, 9, 10), which are located between the two poles (2, 3) of the first signal input (1) and the ground (7) and a second series connection (11) of several conductor loop regions (12, 13), the first terminal (14) of the latter being connected to the pole (5) of the second signal input (4). Two second conductor loop regions (12, 13) are electromagnetically coupled to a respective conductor loop region (6, 9). The second outer terminal (15) of the second series connection (11) of several second conductor loop regions (12, 13) is electrically connected to the intermediate terminal (16) of a first series connection (8) of several first conductor loop regions (9, 10), which connect a symmetrical pole (2) of the first signal input (1) to the ground (7).

IPC 8 full level

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