

Title (en)

Millimetric wave transformer with high transformation ratio and low insertion losses

Title (de)

Millimeterwellen-Transformator mit hohem Umwandlungskoeffizienten und geringen Einfügu

Title (fr)

Transformateur d'ondes millimétriques à fort coefficient de transformation et à faibles pertes d'insertion

Publication

EP 2256752 B1 20120523 (FR)

Application

EP 10164168 A 20100527

Priority

FR 0953496 A 20090527

Abstract (en)

[origin: EP2256752A2] The transformer (21) has a primary winding (23) with a turn formed of a conductive track made in a metallization level (M1). A secondary winding (25) includes a turn formed of a conductive track made in another metallization level (M2) isolated from the former level. Width of the track of the primary winding is larger than width of the track of the secondary winding and equal to total width of the secondary winding. The secondary winding is placed under an outer part of the primary turn such that outer perimeters of the windings coincide with each other. An independent claim is also included for a method of adjusting a transformation factor of a millimeter wave transformer.

IPC 8 full level

H01F 19/04 (2006.01)

CPC (source: EP US)

H01F 19/04 (2013.01 - EP US); **H01F 27/2804** (2013.01 - EP US)

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