

Title (en)
Balanced planar transformers.

Title (de)
Symmetrischer planarer Übertrager.

Title (fr)
Transformateur planaire équilibré.

Publication
EP 0324240 B1 19941012 (EN)

Application
EP 88311657 A 19881209

Priority
CA 556685 A 19880115

Abstract (en)
[origin: EP0324240A2] A monolithic transformer comprises two windings (14, 16) arranged in substantially a single plane with conductors of the windings interleaved with and crossing one another, whereby each winding is symmetrical about a line (A,A) passing through center points (CP,CT) of both of the windings, to which a center tap connection can be made. The conductors of the windings and crossings (18,20,26,28) therebetween can be arranged so that adjacent conductors belong to the different windings for maximum coupling. An unbalanced circuit can be connected between the center tap and one end of a winding, the other end (46) electrically floating, to compensate for the effects of the unbalanced circuit on interwinding capacitance. The transformer can be constructed using air bridge technology with conductors supported by and spaced from a surface of a substrate.

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H01P 5/10

IPC 8 full level
H01F 19/06 (2006.01); **H01F 19/04** (2006.01); **H01P 5/10** (2006.01)

CPC (source: EP)
H01P 5/10 (2013.01); **H01F 2021/125** (2013.01)

Cited by
FR2819938A1; CN104008864A; EP0418775A1; FR2652210A1; EP1478045A1; EP2245695A4; DE10261385A1; DE10261385B4; EP3076414A1; GB2254195A; GB2254195B; US8217747B2; US6608364B2; US6927664B2; US9837199B2; US11569021B2; US11862381B2

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