

Title (en)
PLANAR TRANSFORMER

Title (de)
PLANARÜBERTRAGER

Title (fr)
TRANSFORMATEUR PLANAIRE

Publication
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Application
EP 13791791 A 20131112

Priority
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• EP 2013073594 W 20131112

Abstract (en)
[origin: WO2014076067A1] Planar transformer, produced from a plate-like conductor substrate (6) with an integrated primary winding (1), secondary winding (2) and coupling winding (3). The conductor substrate (6) has pairs (61, 62; 63, 64) of cutouts through which in each case a two-part ferromagnetic core (4; 5) which is provided with yoke limbs is inserted. A limb of each core (4; 5) is surrounded by the primary winding (1) or the secondary winding (2), while the coupling winding (3) loops around the remaining limbs of the cores. At least one minimum total isolation separation distance (L), which is made up of partial isolation separation distances between the coupling winding (3) and adjacent yoke limbs or adjacent windings, is maintained for electrical isolation between the primary winding (1) and the secondary winding (2).

IPC 8 full level
H01F 27/28 (2006.01)

CPC (source: EP US)
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