Title (en)

Miniaturized transformer.

Title (de

Miniaturisierter Transformator.

Title (fr)

Transformateur miniature.

Publication

EP 0267108 A1 19880511 (EN)

Application

EP 87402451 A 19871030

Priority

US 92611386 A 19861031

Abstract (en)

A miniaturized transformer comprising a winding assembly with a plurality of windings enclosed within a magnetic core is disclosed. The winding assembly is formed of a plurality of substrate boards stacked on top of each other. Each substrate board has a conductor on at least one side. The conductors are arranged in the shape of a spiral so as to serve as the turns of the transformer windings. Conductors on two or more boards may be electrically connected together so as to form a continuous transformer winding located on more than one winding board. The magnetic core has outer legs that are located adjacent to the sides of the winding assembly and a center leg that extends through a center leg hole in the assembly. The conductors are arranged to spiral around the center leg hole. The winding assembly board is provided with terminals in electrical contact with the ends of the transformer windings.

IPC 1-7

H01F 5/00

IPC 8 full level

H01F 27/28 (2006.01)

CPC (source: EP)

H01F 27/2804 (2013.01); H01F 2027/2809 (2013.01); H01F 2027/2819 (2013.01)

Citation (search report)

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