

Title (en)  
PLANAR TRANSFORMER

Title (de)  
FLACHTRANSFORMATOR

Title (fr)  
TRANSFORMATEUR PLAN

Publication  
**EP 1105891 A1 20010613 (EN)**

Application  
**EP 99933092 A 19990809**

Priority  
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Abstract (en)  
[origin: WO0011687A1] A planar transformer is provided which includes an E-shaped core with a central leg and spaced adjacent legs, a primary winding, and first and second secondary tracks. The primary winding is defined on a primary layer through which the central leg of the core extends. The first secondary track is defined on a first secondary layer, the first secondary track comprising a plurality of serially interconnected segments each defining a secondary winding which comprises a partial turn configured to provide a predefined low output voltage of the transformer. The second secondary track is defined on a second secondary layer, the second secondary track being arranged in mirror image fashion relative to the first secondary track. The secondary track may define an end region operatively subject to leakage inductance from an adjacent leg of the core to reduce the voltage in a secondary leg in an inductive manner.

IPC 1-7  
**H01F 27/28**

IPC 8 full level  
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CPC (source: EP)  
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See references of WO 0011687A1

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**IB 9901410 W 19990809**; AU 4926099 A 19990809; CA 2342164 A 19990809; CN 99811122 A 19990809; EP 99933092 A 19990809; JP 2000566863 A 19990809