

Title (en)  
An improved transformer.

Title (de)  
Verbesserter Transformator.

Title (fr)  
Transformateur amélioré.

Publication  
**EP 0514136 A1 19921119 (EN)**

Application  
**EP 92304268 A 19920512**

Priority  
US 70073491 A 19910515

Abstract (en)  
A planar transformer (300) includes an "E" core (106) having first (128) and second (130) windows and a central core leg (110). First (320) and second (322) conductive plates are threaded through the first and second windows to encircle the central core leg. The first and second conductive plates are disposed substantially in parallel and define first and second electrical paths, respectively, around the central core leg. First (324) and second (326) transverse conductor portions connect the first and second conductive plates such that a first end of the first electrical path is connected to a first end of the second electrical path, and a second end of the first electrical path is connected to a second end of the second electrical path, whereby a parallel electrical connection is established between the first and second conductive plates. A third conductor (314) is threaded through the first and second windows to encircle the central core leg. The third conductor is disposed between the first and second conductive plates. <IMAGE>

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

IPC 8 full level  
**H01F 27/28** (2006.01); **H01F 30/00** (2006.01)

CPC (source: EP)  
**H01F 27/2866** (2013.01)

Citation (search report)

- [X] EP 0293617 A1 19881207 - VACUUMSCHMELZE GMBH [DE]
- [A] EP 0165845 A1 19851227 - BULL SEMS [FR]
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 150 (E-324)(1873) 25 June 1985 & JP-A-60 030 110 ( FUJI DENKI SEIZO )
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 217 (E-423)(2273) 29 July 1986 & JP-A-61 054 607 ( MATSUSHITA ELECTRIC )

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Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 92304268 A 19920512**; JP 9932692 A 19920420