

Title (en)  
Small transformer, and process for manufacturing same

Title (de)  
Kleintransformator und Herstellungsverfahren für diesen

Title (fr)  
Petit transformateur, et procédé pour sa fabrication

Publication  
**EP 0485341 B1 19960417 (DE)**

Application  
**EP 91810851 A 19911104**

Priority  
• CH 285391 A 19910926  
• CH 353690 A 19901107

Abstract (en)  
[origin: EP0485341A1] The small transformer contains a laminated iron core (2) and primary and secondary windings (3, 4) which are held by a coil former (5). The coil parts which project over the iron core (2) are covered on both sides in each case by one cover (6, 7) consisting of plastic. These two covers (6, 7) are connected to one another in one piece by means of first and second webs (12, 14). The first webs (12) fill the cavities between the coils (3, 4) and the iron core (2), and the second webs (14) hold the laminated stack of the iron core (2) intrinsically together. As a result of this construction, particularly economical batch production is possible, it being possible to conform reliably to the electrical safety distances. <IMAGE>

IPC 1-7  
**H01F 27/02**; **H01F 41/00**; **H01F 27/26**

IPC 8 full level  
**H01F 27/00** (2006.01); **H01F 27/02** (2006.01); **H01F 27/06** (2006.01); **H01F 27/26** (2006.01); **H01F 27/29** (2006.01); **H01F 30/00** (2006.01); **H01F 41/00** (2006.01)

CPC (source: EP US)  
**H01F 27/022** (2013.01 - EP US); **H01F 27/266** (2013.01 - EP US); **H01F 41/005** (2013.01 - EP US); **Y10T 29/4902** (2015.01 - EP US); **Y10T 29/49073** (2015.01 - EP US)

Cited by  
US5996214A; US5726616A; ES2257156A1; EP0609850A3; US5754086A; US6271742B1; WO9625752A1

Designated contracting state (EPC)  
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**EP 91810851 A 19911104**; AT 91810851 T 19911104; CA 2055010 A 19911106; CN 91111511 A 19911107; DE 59107683 T 19911104; DK 91810851 T 19911104; ES 91810851 T 19911104; GR 960401889 T 19960712; JP 31863591 A 19911107; TW 80109519 A 19911203; US 31003494 A 19940921; US 46500895 A 19950605