

Title (en)  
SWITCH MODE TRANSFORMER HAVING A FERRITE CORE

Publication  
**EP 0131700 A3 19850515 (EN)**

Application  
**EP 84104976 A 19840503**

Priority  
IT 3402383 U 19830509

Abstract (en)  
[origin: EP0131700A2] An SMT-type transformer comprises a ferrite core formed of two complementary portions mirror-symmetrically joined to one another, and a body including a primary and a secondary winding supported on one of the legs of the core. The two core portions are retained in the assembled condition by a retaining cage (7) preferably formed of a ferromagnetic material and having a top surface (8) engaging one core portion (5), and a plurality of legs (9) extending from the top surface and having end portions (10, 11) adapted to be bent into engagement with the other core portion (6). Integrally formed with the legs are annular portions (12) surrounding the winding body (1) so as to constitute a short-circuit winding therearound.

IPC 1-7  
**H01F 15/02**; **H01F 15/04**; **H01F 19/08**

IPC 8 full level  
**H01F 19/08** (2006.01); **H01F 27/02** (2006.01); **H01F 27/36** (2006.01)

CPC (source: EP US)  
**H01F 19/08** (2013.01 - EP); **H01F 27/027** (2013.01 - EP); **H01F 27/36** (2013.01 - EP); **H01F 27/366** (2020.08 - EP US)

Citation (search report)  
• [X] US 3668586 A 19720606 - HORBACH STEPHEN  
• [A] US 3617854 A 19711102 - COLE BENJAMIN R  
• [A] DE 2209071 A1 19730830 - SIEMENS AG  
• [A] GB 2035706 A 19800618 - TDK ELECTRONICS CO LTD  
• [A] IBM Technical Disclosure Bulletin, Vol. 23, No. 1, June 1980, New York, (US). C.C. CHACON et al.: "High Voltage Shield". \* page 1, line 3 - page 2, line 4; figures \*

Cited by  
EP1103994A1; CN111735994A; EP0609155A3; US4937546A; US6950291B1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0131700 A2 19850123**; **EP 0131700 A3 19850515**; **EP 0131700 B1 19880107**; AT E31840 T1 19880115; DE 3468578 D1 19880211; ES 278941 U 19840916; ES 278941 Y 19850401; IT 8334023 V0 19830509

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**EP 84104976 A 19840503**; AT 84104976 T 19840503; DE 3468578 T 19840503; ES 278941 U 19840418; IT 3402383 U 19830509