

Title (en)
Transformer.

Title (de)
Transformator.

Title (fr)
Transformateur.

Publication
EP 0602528 A1 19940622 (DE)

Application
EP 93119794 A 19931208

Priority
DE 4242295 A 19921215

Abstract (en)
A transformer (10) for forward converters and constant-current transformers, in particular for feeding discharge lamps and low-voltage halogen lamps, has part windings (14, 16) which are wound jointly around a toroidal (annular) core (12). The toroidal core (12) is essentially occupied by one layer of turns of the part windings (14, 16), and the ratio of the number of turns per unit length of the individual part windings (14, 16) with respect to one another is approximately equal or approximately forms an integral multiple. <IMAGE>

Abstract (de)
Ein Transformator (10) für Durchfluß- und Drosselwandler, insbesondere zur Speisung von Entladungslampen und Niedervolt-Halogenlampen, weist Teilwicklungen (14,16) auf, die sich gemeinsam um einen Ringkern (12) winden, wobei der Ringkern (12) im wesentlichen einlagig mit Windungen der Teilwicklungen (14,16) belegt ist, und das Verhältnis der Windungszahlen der einzelnen Teilwicklungen (14,16) zueinander in etwa gleich ist oder in etwa ein ganzzahliges Vielfaches bildet. <IMAGE>

IPC 1-7
H01F 27/28; **H01F 31/00**

IPC 8 full level
H01F 27/28 (2006.01); **H01F 30/16** (2006.01)

CPC (source: EP)
H01F 27/2823 (2013.01); **H01F 30/16** (2013.01); **H01F 2038/305** (2013.01)

Citation (search report)
• [X] WO 9204723 A1 19920319 - ELECTROTECH INSTR LTD [GB]
• [A] GB 918978 A 19630220 - RACAL ELECTRONICS LTD
• [A] DE 8809164 U1 19890511
• [A] NASA TECH BRIEFS: "coaxial cable on toroid yields wide-band transformer", ELECTRONIC DESIGN, vol. 15, no. 13, 21 June 1967 (1967-06-21), pages 108

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 4242295 A1 19940616; EP 0602528 A1 19940622

DOCDB simple family (application)
DE 4242295 A 19921215; EP 93119794 A 19931208