

Title (en)

Transformer, in particular for energy converter, and resonant energy converter with such a transformer

Title (de)

Transformator, insbesondere für Energiewandler, und Resonanzenergiewandler mit einem solchen Transformator

Title (fr)

Transformateur, notamment pour convertisseur d'énergie, et convertisseur d'énergie à résonance doté d'une tel transformateur

Publication

EP 0727794 B1 19990901 (FR)

Application

EP 96200430 A 19960219

Priority

FR 9502027 A 19950220

Abstract (en)

[origin: EP0727794A1] The transformer includes a primary winding (10) and a secondary winding (11) established on a magnetic circuit (1) channelling the magnetic flux from one coil to the other. The magnetic core comprises at least three branches (4-6) labelled lateral and central, linked together at their ends by two bars (7 and 8). The windings are arranged around the lateral branches, whilst the central branch (4) includes an air gap (9) of predetermined adjustable size. A further closed external winding (12) is arranged around the outside of the magnetic circuit.

IPC 1-7

H01F 27/34; **H01F 27/38**

IPC 8 full level

H01F 27/34 (2006.01); **H01F 27/38** (2006.01)

CPC (source: EP)

H01F 27/346 (2013.01); **H01F 27/38** (2013.01); **H01F 2027/348** (2013.01)

Cited by

EP2551860A4; CN111105925A; FR2759488A1; CN1086502C; EP3923307A4; US11527354B2

Designated contracting state (EPC)

BE DE ES FR IT LU NL PT SE

DOCDB simple family (publication)

EP 0727794 A1 19960821; **EP 0727794 B1 19990901**; DE 69603993 D1 19991007; DE 69603993 T2 20000518; FR 2730849 A1 19960823; FR 2730849 B1 19970509

DOCDB simple family (application)

EP 96200430 A 19960219; DE 69603993 T 19960219; FR 9502027 A 19950220