

Title (en)

Homopolar transformer with magnetic circuit insensitive to mechanical stresses, and manufacturing method.

Title (de)

Homopolarer Transformator mit gegen mechanischen Beanspruchungen unempfindlichem magnetischem Kreis, und Herstellungsverfahren.

Title (fr)

Transformateur homopolaire à circuit magnétique insensible à des contraintes mécaniques, et procédé de fabrication.

Publication

**EP 0509936 B1 19950830 (FR)**

Application

**EP 92420074 A 19920313**

Priority

FR 9103831 A 19910327

Abstract (en)

[origin: EP0509936A2] The invention relates to a homopolar transformer having a magnetic circuit formed by the winding of a ferromagnetic strip with high permeability. To preclude the influence of external stresses on the permeability of the material, the front face (24) of the magnetic circuit (10) is made integral with the back (26) of the half-casting (18) through three drops of silicone-based glue (28) forming an elastic suspension bond. Application: make/break switches and circuit breakers with differential protection. <IMAGE>

IPC 1-7

**H01F 27/26**

IPC 8 full level

**H01F 27/26** (2006.01); **H01H 83/14** (2006.01)

CPC (source: EP)

**H01F 27/266** (2013.01); **H01H 83/144** (2013.01); **H01F 2038/305** (2013.01)

Citation (examination)

PATENT ABSTRACTS OF JAPAN, Vol. 14, No. 241 (E-931)(4148), 22 Mai 1990

Cited by

US8344830B2; CN105976992A; EP0907190A3; EP0794541A1; FR2711461A1; CN103137306A; US2018366265A1; US10600563B2; WO2009012938A1; DE102007034532A1; KR100222442B1

Designated contracting state (EPC)

BE DE ES GB IT PT

DOCDB simple family (publication)

**EP 0509936 A2 19921021**; **EP 0509936 A3 19930519**; **EP 0509936 B1 19950830**; DE 69204346 D1 19951005; DE 69204346 T2 19960418; ES 2079164 T3 19960101; FR 2674674 A1 19921002; FR 2674674 B1 19931022

DOCDB simple family (application)

**EP 92420074 A 19920313**; DE 69204346 T 19920313; ES 92420074 T 19920313; FR 9103831 A 19910327