

Title (en)

HOMOPOLAR TRANSFORMER WITH MAGNETIC CIRCUIT INSENSITIVE TO MECHANICAL STRESSES, AND MANUFACTURING METHOD

Publication

**EP 0509936 A3 19930519 (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 (search report)

- [A] FR 2523766 A1 19830923 - MERLIN GERIN [FR]
- [A] EP 0162488 A1 19851127 - PHILIPS NV [NL]
- [XD] PATENT ABSTRACTS OF JAPAN vol. 15, no. 139 (E-1053)(4667) 9 Avril 1991 & JP-A-30 19 307 ( NIPPON FERRITE ) 28 Janvier 1991
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 190 (E-918)(4133) 18 Avril 1990 & JP-A-20 39 403 ( NAGANO NIPPON MUSEN ) 8 Février 1990
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 241 (E-931)(4184) 22 Mai 1990 & JP-A-20 66 908 ( NIPPON FERRITE ) 7 Mars 1990

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