

Title (en)

Method for manufacture of transformer cores, a method for manufacture of a transformer having such core

Title (de)

Verfahren zur Herstellung von Transformatorkernen, Verfahren zur Herstellung eines Transformators mit einem solchen Kern

Title (fr)

Procédé de fabrication de noyaux de transformateurs, procédé de fabrication d'un transformateur doté de ce noyau

Publication

EP 2395522 A1 20111214 (EN)

Application

EP 10005876 A 20100608

Priority

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Abstract (en)

The invention relates to a method for manufacture of a transformer core made of ferromagnetic material, such as amorphous metal or silicon iron, which is provided as a single ribbon layer or as multiple ribbon layers, characterized by the following steps a) the single ribbon layers or bundle of ribbon layers of ferromagnetic material, such as amorphous metal or silicon iron, are continuously wound into loops, whereas the shape of the core loops is effected by means of an appropriate mandrel to be directly formed into its final shape; b) the single or multiple ribbon layers of the loops are being cut in that - a mechanical device or a laser is used for cutting, allowing fast and precise cutting of the ribbons, and in that - all ribbons of the loops are cut at at least one position along the circumference of each ribbon layer. Furthermore the invention relates to a method of manufacture of a transformer having a core manufactured according to the method being illustrated before as well as to a transformer provided with such a core manufactured according to the claimed method.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- EP 0357357 A1 19900307 - GEN ELECTRIC [US]
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Citation (search report)

- [X1] US 4709471 A 19871201 - VALENCIC MILAN D [US], et al
- [A] US 4972168 A 19901120 - GRIMES FRANK H [US], et al
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (application)

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