

Title (en)

Wound transformer core with support structure

Title (de)

Gewickelter Transformatorkern mit Stützstruktur

Title (fr)

Noyau de transformateur enroulé avec structure de support

Publication

**EP 2426681 A1 20120307 (EN)**

Application

**EP 10009105 A 20100902**

Priority

EP 10009105 A 20100902

Abstract (en)

The invention is related to a wound transformer core (10, 66, 82) with at least one core loop (12, 14) made of magnetic material, comprising multiple thin amorphous band-like iron sheets (16) which are concentrically stacked around at least one center axis (18, 20). A lower yoke section (24), an upper yoke section (22) and at least two limb sections (26, 28, 30) are developed, comprising a modular plate-like support structure (40, 74, 76) which is glued upright to the center axis (18, 20) on both face sides (70, 72) of the lower yoke section (24) and on both face sides (70, 72) of each limb section (26, 28, 30) in that way, that neighboured iron sheets are glued together at their outer edge. Elongated through holes (52, 54, 78) are foreseen within the plate-like structure (40, 74, 76), which are arranged at least in part crosswise to the longitudinal extension of the stacked iron sheets.

IPC 8 full level

**H01F 27/26** (2006.01)

CPC (source: EP)

**H01F 27/266** (2013.01); **H01F 41/0226** (2013.01)

Citation (applicant)

CN 201112062 Y 20080910 - DATONG SHANGHAI CO LTD [CN]

Citation (search report)

- [I] US 2002157239 A1 20021031 - NGO DUNG A [US], et al
- [AD] CN 201112062 Y 20080910 - DATONG SHANGHAI CO LTD [CN]

Cited by

CN108584680A

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)

BA ME RS

DOCDB simple family (publication)

**EP 2426681 A1 20120307**

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