

Title (en)
DEVICE AND METHOD FOR WINDING A CLOSED TOROIDAL CORE

Title (de)
VORRICHTUNG UND VERFAHREN ZUM BEWICKELN EINES GESCHLOSSENEN RINGKERNS

Title (fr)
DISPOSITIF ET PROCEDE POUR BOBINER UN NOYAU TOROIDAL FERME

Publication
EP 1839320 A2 20071003 (DE)

Application
EP 06707682 A 20060110

Priority
• EP 2006050105 W 20060110
• DE 102005001214 A 20050110
• DE 102005062485 A 20051227

Abstract (en)
[origin: WO2006072635A2] The invention relates to a device for winding an, in particular, closed toroidal core with winding material. To this end, the device has at least one magazine winding support for pre-winding and subsequently winding the winding material onto a toroidal core. The aim of the invention is to improve the design of this device that is advantageous with regard to use so that the magazine winding support (4), in its cross-section, which intersects a toroidal core positioning plane of the device (1) surrounds a hollow space (6) for accommodating a toroidal profile cross-section of a toroidal core (2) that can be wound in the device (1), and is open or can be opened in the peripheral direction. The invention also relates to a method for winding an, in particular, closed toroidal core (2) with winding material (3), the winding material (3) being pre-wound to form a magazine spool (36) and wound onto the toroidal core (2) from the magazine spool (36), and aims to provide an improved design so that the pre-winding for forming a magazine spool (36) ensues whereby the magazine spool (36) forms an inner hollow cross-section (6') that is larger compared to the toroidal core profile cross-section and surrounds a toroidal core section therein. The invention further relates to toroidal core chokes and toroidal core transformers that can be produced with the inventive device and according to the inventive method.

IPC 8 full level
H01F 27/28 (2006.01); **H01F 30/16** (2006.01); **H01F 41/06** (2006.01); **H01F 41/08** (2006.01)

CPC (source: EP)
H01F 41/08 (2013.01)

Citation (search report)
See references of WO 2006072635A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006072635 A2 20060713; **WO 2006072635 A3 20060831**; DE 102005062485 A1 20060907; EP 1839320 A2 20071003; JP 2008527703 A 20080724

DOCDB simple family (application)
EP 2006050105 W 20060110; DE 102005062485 A 20051227; EP 06707682 A 20060110; JP 2007549903 A 20060110