

Title (en)
INSULATING ELEMENT, TOROIDAL CORE, TOROIDAL CORE CHOKE, AND METHOD FOR PRODUCING SAID TOROIDAL CORE CHOKE

Title (de)
ISOLIERTEIL, RINGKERN, RINGKERNDROSSEL UND VERFAHREN ZUR HERSTELLUNG DER RINGKERNDROSSEL

Title (fr)
ELEMENT ISOLANT, NOYAU TOROIDAL, BOBINE DE CHOC A NOYAU TOROIDAL ET PROCEDE DE PRODUCTION D'UNE BOBINE DE CHOC A NOYAU TOROIDAL

Publication
EP 1597739 B1 20070711 (DE)

Application
EP 04707487 A 20040203

Priority
• DE 2004000171 W 20040203
• DE 10308010 A 20030225

Abstract (en)
[origin: WO2004077459A1] The invention relates to an insulating element for integrating into the hole of a toroidal core (2), said element consisting of a number $n = 2$ of radially outwardly extending sections (31, 32, 33), at least one section (31, 32, 33) comprising a spring element (4) which can be elastically deformed in the radial direction. The invention also relates to a toroidal core (2), a method for applying windings to said toroidal core (2), and a toroidal choke core. Tolerances in the diameter of the core hole can be compensated by means of the inventive insulating element (1).

IPC 8 full level
H01F 30/16 (2006.01); **H01F 17/06** (2006.01); **H01F 27/32** (2006.01); **H01F 41/08** (2006.01); **H01F 41/12** (2006.01)

CPC (source: EP US)
H01F 17/062 (2013.01 - EP US); **H01F 27/324** (2013.01 - EP US); **H01F 30/16** (2013.01 - EP US); **H01F 41/08** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 10308010 A1 20040909; CN 1754232 A 20060329; CN 1754232 B 20111214; DE 502004004289 D1 20070823; EP 1597739 A1 20051123; EP 1597739 B1 20070711; JP 2006518933 A 20060817; JP 4582656 B2 20101117; US 2006192649 A1 20060831; US 7280027 B2 20071009; WO 2004077459 A1 20040910

DOCDB simple family (application)
DE 10308010 A 20030225; CN 200480005186 A 20040203; DE 2004000171 W 20040203; DE 502004004289 T 20040203; EP 04707487 A 20040203; JP 2006501486 A 20040203; US 54536205 A 20050811