

Title (en)  
MAGNETIC CORE

Title (de)  
MAGNETKERN

Title (fr)  
TORE MAGNETIQUE

Publication  
**EP 1864303 B1 20120502 (DE)**

Application  
**EP 06723305 A 20060309**

Priority  
• EP 2006002152 W 20060309  
• DE 102005015006 A 20050401

Abstract (en)  
[origin: US7782169B2] A magnetic core (1, 1', 20, 28, 29, 58, 61, 70, 70', 80, 80', 90) for a magnetic component has a longitudinal axis parallel to which a magnetic current is to be substantially guided inside the magnetic core. The magnetic core consists of a plurality of magnetic elements (2, 3, 4, 5, 6, 7, 8, 29, 30, 35, 36, 38, 39, 40, 48, 49, 52, 53) shaped like bars or strips arranged parallel to one another, at least one of the magnetic elements (2, 3, 4, 5, 6, 7, 8, 29, 30, 35, 36, 38, 39, 40, 48, 49, 52, 53) is different from the other magnetic elements in one or several of the following characteristics: permeability of material, curvature, length, shape and/or size of surface area, presence, type and location of notches in the magnetic elements.

IPC 8 full level  
**H01F 17/00** (2006.01)

CPC (source: EP US)  
**H01F 3/04** (2013.01 - EP US); **H01F 17/0006** (2013.01 - EP US); **H01F 1/153** (2013.01 - EP US); **H01F 1/15333** (2013.01 - EP US);  
**H01F 2017/0066** (2013.01 - EP US)

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)  
**US 2008074220 A1 20080327; US 7782169 B2 20100824**; AT E556418 T1 20120515; DE 102005015006 A1 20061005;  
DE 102005015006 B4 20131205; EP 1864303 A1 20071212; EP 1864303 B1 20120502; WO 2006102972 A1 20061005

DOCDB simple family (application)  
**US 86395607 A 20070928**; AT 06723305 T 20060309; DE 102005015006 A 20050401; EP 06723305 A 20060309; EP 2006002152 W 20060309