

Title (en)

ARRANGEMENT OF A NTC RESISTOR IN AN ELECTROMAGNET

Title (de)

ANORDNUNG EINES NTC-WIDERSTANDES IN EINEM ELEKTROMAGNETEN

Title (fr)

AGENCEMENT D'UNE RESISTANCE NTC DANS UN AIMANT ELECTRIQUE

Publication

EP 2580765 A1 20130417 (DE)

Application

EP 11721504 A 20110518

Priority

- DE 102010023240 A 20100609
- EP 2011058066 W 20110518

Abstract (en)

[origin: WO2011154231A1] Usually, NTC resistors for compensating temperature are fixed to the contact wires of an electromagnet by means of solder connections. This leads to an instability of the connection during thermal or vibrational stress. As a solution to this problem, according to the invention an elastically deformable fixing element exerts a spring-loaded force, by means of which the NTC resistor (34) is fixed between the ends of two contact wires (22, 24).

IPC 8 full level

H01F 5/04 (2006.01); **H01F 7/06** (2006.01)

CPC (source: EP US)

H01F 5/04 (2013.01 - EP US); **H01F 7/06** (2013.01 - EP US); **H01F 2007/062** (2013.01 - EP US)

Citation (search report)

See references of WO 2011154231A1

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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011154231 A1 20111215; DE 102010023240 A1 20111215; DE 102010023240 B4 20130228; EP 2580765 A1 20130417; US 2013076468 A1 20130328; US 8482370 B2 20130709

DOCDB simple family (application)

EP 2011058066 W 20110518; DE 102010023240 A 20100609; EP 11721504 A 20110518; US 201113702588 A 20110518