

Title (en)

Transformer and power supply using the transformer

Title (de)

Transformator und Stromversorgung mit Transformator

Title (fr)

Transformateur et alimentation utilisant un tel transformateur

Publication

EP 2797091 A1 20141029 (EN)

Application

EP 13165415 A 20130425

Priority

EP 13165415 A 20130425

Abstract (en)

A transformer comprises a primary winding and a secondary winding, wherein a shielding foil sheet is provided between the primary and secondary windings. The sheet comprises a material having a resistivity of more than copper. The shield is to reduce the CM-noise but with a reduction in the additional losses introduced by the shield.

IPC 8 full level

H01F 27/28 (2006.01); **H01F 27/36** (2006.01)

CPC (source: EP)

H01F 27/2885 (2013.01)

Citation (search report)

- [XY] EP 0291093 A2 19881117 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [X] EP 1284487 A2 20030219 - BOSE CORP [US]
- [YA] US 4308512 A 19811229 - CAPECCHIACCI GIORGIO, et al
- [A] US 3376531 A 19680402 - FISCHER HEINZ G, et al
- [A] EP 0585650 A1 19940309 - ANT NACHRICHTENTECH [DE]
- [A] "Monel alloy 400 (Ni65/Cu33/Fe2)", 1 January 2013 (2013-01-01), XP055067124, Retrieved from the Internet <URL:http://www.goodfellow.com/E/Monel-alloy-400.html> [retrieved on 20130618]
- [Y] HE-ZONG LI ET AL: "Analysis of microbending of CuZn37 brass foils based on strain gradient hardening models", JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, ELSEVIER, NL, vol. 212, no. 3, 11 October 2011 (2011-10-11), pages 653 - 661, XP028438582, ISSN: 0924-0136, [retrieved on 20111019], DOI: 10.1016/J.JMATPROTEC.2011.10.007
- [A] ARNAUD DEVRED: "Service technique de cryogénie et de magnétisme", 1 January 1998 (1998-01-01), XP055067118, Retrieved from the Internet <URL:http://lss.fnal.gov/archive/other/dapnia-stcm-98-02.pdf> [retrieved on 20130618]

Cited by

CN111180177A; EP3035349A1; CN105720823A; US9576720B2; US10620740B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2797091 A1 20141029

DOCDB simple family (application)

EP 13165415 A 20130425