

Title (en)

COILED ELECTRONIC POWER COMPONENT COMPRISING A HEAT SINKING SUPPORT

Title (de)

GEWICKELTES ELEKTRONISCHES LEISTUNGSELEMENT MIT EINEM KÜHLKÖRPERTRÄGER

Title (fr)

COMPOSANT ÉLECTRONIQUE DE PUISSANCE BOBINE COMPORTANT UN SUPPORT DE DRAINAGE THERMIQUE

Publication

EP 2761632 A1 20140806 (FR)

Application

EP 12775779 A 20120927

Priority

- FR 1158671 A 20110928
- FR 2012052191 W 20120927

Abstract (en)

[origin: WO2013045850A1] A coiled electronic power component (3) intended to be mounted on a base (2), the component (3) comprising a magnetic core (31) extending axially on which is wound a plurality of turns (32), so as to form a magnetic coil, and at least one support (4) for fastening to said base (2) comprising at least one sink surface (S1, S2) in thermal contact with the magnetic core and/or the plurality of turns (32) in such a way as to sink the heat from the magnetic core (31) and/or from the plurality of turns (32) to the base (2) when the component (3) is operating, the fastening support (4) possesses an equivalent thermal conductivity of greater than 400 W.m-1.K-1.

IPC 8 full level

H01F 27/22 (2006.01); **H01F 27/26** (2006.01); **H01F 37/00** (2006.01)

CPC (source: EP US)

H01F 27/06 (2013.01 - US); **H01F 27/22** (2013.01 - EP US); **H01F 37/00** (2013.01 - EP US); **H01F 27/266** (2013.01 - EP US)

Citation (search report)

See references of WO 2013045850A1

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)

FR 2980625 A1 20130329; **FR 2980625 B1 20131004**; BR 112014006076 A2 20170411; CA 2849049 A1 20130404; CN 103827993 A 20140528; EP 2761632 A1 20140806; JP 2014532306 A 20141204; RU 2014111158 A 20151110; US 2015042431 A1 20150212; WO 2013045850 A1 20130404

DOCDB simple family (application)

FR 1158671 A 20110928; BR 112014006076 A 20120927; CA 2849049 A 20120927; CN 201280046394 A 20120927; EP 12775779 A 20120927; FR 2012052191 W 20120927; JP 2014532455 A 20120927; RU 2014111158 A 20120927; US 201214345497 A 20120927