

Title (en)
Amorphous transformer core

Title (de)
Amorpher Transformatorkern

Title (fr)
Noyau de transformateur amorphe

Publication
EP 2463871 B1 20170614 (DE)

Application
EP 10193977 A 20101207

Priority
EP 10193977 A 20101207

Abstract (en)
[origin: EP2463871A1] The core (40) has a transformer core disk (42) provided with a set of layers of strip-like amorphous core material and arranged concentrically around at a winding window. A heat dissipating plate (46) i.e. foil, extends into an interior of the core that is fed from the interior to a heat exchange region (50) outside the core for dissipation of heat energy produced inside the core. The heat dissipating plate is arranged in sections between two adjacent layers of the strip-like amorphous core material, and is fed out of a side surface of the transformer core. The heat dissipating plate is made from copper or aluminum. An independent claim is also included for a transformer comprising an electrical winding.

IPC 8 full level
H01F 27/22 (2006.01); **H01F 27/25** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP US)
H01F 27/22 (2013.01 - EP US); **H01F 27/25** (2013.01 - EP US); **H01F 41/0226** (2013.01 - EP US)

Cited by
FR3045923A1; EP2977996A1; EP2916333A1; DE102013105120A1; DE102013105120B4

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)
EP 2463871 A1 20120613; **EP 2463871 B1 20170614**; BR PI1105631 A2 20130416; CN 102543372 A 20120704; US 2012139682 A1 20120607; US 9041501 B2 20150526

DOCDB simple family (application)
EP 10193977 A 20101207; BR PI1105631 A 20111206; CN 201110421086 A 20111206; US 201113311104 A 20111205