

Title (en)

Transformer and coil winding method thereof

Title (de)

Transformator und Spulenwicklungsverfahren dafür

Title (fr)

Transformateur et son procédé d'enroulement de la bobine

Publication

EP 2003660 A1 20081217 (EN)

Application

EP 08101768 A 20080219

Priority

CN 200710111826 A 20070615

Abstract (en)

A transformer (2) includes a core (20), a primary coil (23) and a secondary coil (21). The secondary coil (21) is formed by a first right-triangle area (A1), ramp areas (A2) and a second right-triangle area (A3). The first right-triangle area is formed by a set of layers providing a slanted surface (a100) and outwardly wound by continuous bending. A first layer (L1) of the set of layers is wound to be formed with an end wound position. A second layer (L2) subsequent to the first layer is wound to be started at a beginning wound position where is bent near the end wound position of the first layer. The rest layers of the set of layers are outwardly formed by repeating the winding sequence of the first and second layers. The ramp areas are wound along the slanted surface, and the second right-triangle area is inwardly wound opposite to the winding sequence of the first right-triangle area.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] JP H0473910 A 19920309 - KIJIMA CO LTD
- [X] JP H0935954 A 19970207 - KIJIMA CO LTD

Cited by

EP2312595A3; EP2533257A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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