

Title (en)
Planar winding transformer.

Title (de)
Flachspuletransformator.

Title (fr)
Transformateur à bobine plane.

Publication
EP 0671749 A1 19950913 (EN)

Application
EP 95103110 A 19950304

Priority
ES 9400514 A 19940311

Abstract (en)
Of special application in switched power supply units that have high operating frequencies. The transformer comprises a core and windings formed by planar wire turns. These wire turns are in the form of open rings of a conductive material coated with an insulating material, joined electrically inside the transformer window by a soldering process, having previously eliminated the insulating material they have in two segments of each ring. The end wire turns (E) differ from those in the centre (C) because they have at least one extension (P) that is used as a terminal of the transformer. To make assembly easier, they can have a notch (H) that is shifted progressively by an angle with respect to an origin so that the openings of the wire turns of a winding form a helix. <IMAGE>

IPC 1-7
H01F 27/28

IPC 8 full level
H01F 27/28 (2006.01)

CPC (source: EP)
H01F 27/2847 (2013.01)

Citation (search report)
• [XA] FR 2476898 A1 19810828 - MINI INFORMATIQ SYSTEM STE EUR [FR]
• [A] US 3271716 A 19660906 - FURTH HAROLD P
• [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 99 (E - 172)<1244> 27 April 1983 (1983-04-27)

Cited by
EP1722381A4; US6154111A; EP0953993A3; EP0820072A1; US5886610A

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AT BE CH DE FR GB IE IT LI SE

DOCDB simple family (publication)
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