

Title (en)

Ferromagnetic nucleus, particularly for transformers or the like, and process for manufacturing the same

Title (de)

Kern aus ferromagnetischem Material, insbesondere für Transformatoren oder dgl., und dessen Herstellungsverfahren

Title (fr)

Noyau ferromagnétique, en particulier pour transformateurs ou similaires, et son procédé de fabrication

Publication

**EP 1288976 A1 20030305 (EN)**

Application

**EP 01830558 A 20010830**

Priority

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Abstract (en)

A core of ferromagnetic material for transformers and the like is provided which is made up of a pack of laminations (5) and comprises a side surface (6) having a continuous conformation without sharp corners even at regions (6a) formed by longitudinal edges (5a) of the laminations (5). Also provided is a process for manufacturing cores of the above described type consisting in cutting out from a metal sheet, a plurality of laminations (5) of same size, carrying out superposition and irremovable union of the laminations so as to form a pack, and shaping by a working involving material removal, the regions of the side surface of the lamination pack formed with the longitudinal edges of said laminations. <IMAGE>

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**H01F 27/245**; **H01F 41/02**

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CPC (source: EP)

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Citation (search report)

- [X] EP 0953995 A1 19991103 - BOSCH GMBH ROBERT [DE]
- [A] DE 1244944 B 19670720 - C H F MUELLER G M B H
- [A] US 5986532 A 19991116 - KIKUTA HIKARU [JP], et al
- [A] EP 0738831 A2 19961023 - HITACHI LTD [JP], et al
- [A] FR 1208180 A 19600222 - SMIT & WILLEM & CO NV
- [A] WO 9916092 A1 19990401 - VACUUMSCHMELZE GMBH [DE], et al

Cited by

US7834732B2; WO2007125009A1

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