

Title (en)

Methof for making a choke or a transformer with E-shaped core laminations formed of two U-shaped laminations.

Title (de)

Verfahren zur Herstellung einer Drossel oder eines Transformators mit aus zwei U-förmigen Blechen gebildeten E-förmigen Kernblechen.

Title (fr)

Procédé de fabrication d'une réactance ou d'un transformateur avec des tôles de noyau en forme de E constituées de deux tôles en forme de U.

Publication

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Application

**EP 93111617 A 19930720**

Priority

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Abstract (en)

[origin: EP0580131A2] The laminate stack (1) of a transformer or an inductor is formed by U-shaped core laminates (2, 3) which are arranged located adjacent to one another and are fastened to one another in such a manner that an E-shaped core laminate stack is formed, limbs (14, 15), which are in each case shorter, of each U laminate together forming the centre limb of the E laminate. The core laminate stack is in each case completed by an I-shaped magnetic return path laminate (4). The U-shaped laminates are connected to one another, for example by welding. The composition of the E-shaped core laminate stack from two U-shaped core laminate stacks results in considerably greater freedom in stamping, since, in this case, only U-shaped laminates need to be stamped. This allows the stamping to be carried out such that the U-limbs point in the rolling direction of the core laminate material strip. This results in considerably improved magnetic properties of the core laminate stack. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

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