

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

EP 0580131 B1 19951108 (DE)

Application

EP 93111617 A 19930720

Priority

CH 228492 A 19920720

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>

IPC 1-7

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

IPC 8 full level

H01F 27/245 (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP)

H01F 27/245 (2013.01); **H01F 41/0233** (2013.01)

Cited by

DE102004012436A1; DE102004012436B4; GB2407712B; EP0706192A4; US5841335A; US6014071A; EP1213833A1; US7669311B2

Designated contracting state (EPC)

AT CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0580131 A2 19940126; **EP 0580131 A3 19940323**; **EP 0580131 B1 19951108**; AT E130119 T1 19951115; DE 59300886 D1 19951214; ES 2079925 T3 19960116

DOCDB simple family (application)

EP 93111617 A 19930720; AT 93111617 T 19930720; DE 59300886 T 19930720; ES 93111617 T 19930720