

Title (en)  
Transformer core support.

Title (de)  
Abstützvorrichtung für Transformatorkern.

Title (fr)  
Support pour noyau de transformateur.

Publication  
**EP 0246430 A1 19871125 (EN)**

Application  
**EP 87104861 A 19870402**

Priority  
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Abstract (en)  
During operation of a transformer having a core fabricated from a plurality of laminations, it is necessary to maintain compressive force on the core to prevent undesirable loosening and/or vibration of the laminations. Maintaining compressive force must be accomplished without establishing undesirable electrical flow paths through which current induced by magnetic flux flow in the transformer may flow. One such undesirable path may be created by encircling the mutual magnetic flux flow through the transformer with metallic components for maintaining compressive force on the core. In accordance with the present invention, a tensioning device (40) comprising an electrical insulative material urges a clamping device (12, 14) that straddles the core into compressive engagement with the core when the tensioning device is subjected to a predetermined amount of tension, without establishing undesirable electrical flow paths in the transformer. The tensioning device may include an aromatic polyamide and a turnbuckle and may be removably coupled to the clamping device for facilitating transformer coil repair and/or replacement. The tensioning device is preferably disposed in a window of a transformer.

IPC 1-7  
**H01F 27/26**

IPC 8 full level  
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CPC (source: EP KR)  
**H01F 3/00** (2013.01 - KR); **H01F 27/263** (2013.01 - EP)

Citation (search report)

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