

Title (en)

Three-phase high performance dry-type transformer with epoxy-insulated coils and method for manufacturing of same

Title (de)

Dreiphasen-Hochleistungstrockentransformator mit epoxidisolierten Spulen und Verfahren zu seiner Herstellung

Title (fr)

Transformateur de type sec à haute performance et triphasées avec bobines isolées d'époxy et son procédé de fabrication

Publication

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Application

EP 10002974 A 20100320

Priority

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Abstract (en)

The invention relates to a three-phase high performance dry-type transformer with epoxy insulated coils having a triangular core formed by three core legs which are positioned at the corners of a triangle, whereas the upper ends of each core leg are linked together by an upper yoke and the lower ends of each core leg by a lower yoke, whereas each coil is being wound around its own core leg, and whereas each coil has been provided with reinforcing fibres and cast resin. Furthermore it relates to a method for manufacturing same where a lower yoke is being connected with core legs at the corners of the triangular core, where each core leg is provided with a winding of copper wire, where each winding is laminated with reinforcing fibres or with rovings or with prepregs being made thereof, where in each winding a tube like body is being fitted in order to form a channel provided for discharging heat losses generated during operation, and where each coil is being provided with cast resin, where each coil manufactured according to the aforementioned steps is being shifted on the respective core leg, where the upper yoke is connected to the core legs, and where the electrical installation of the conductors of each coil is finalized.

IPC 8 full level

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Citation (applicant)

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- WO 2008108704 A1 20080912 - HEXAFORMER AB [SE], et al
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Citation (search report)

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