

Title (en)

ELECTRIC WINDING BODY AND TRANSFORMER HAVING FORCED COOLING

Title (de)

ELEKTRISCHER WICKLUNGSKÖRPER UND TRANSFORMATOR MIT FORCIERTER KÜHLUNG

Title (fr)

CORPS D'ENROULEMENT ÉLECTRIQUE ET TRANSFORMATEUR À REFROIDISSEMENT FORCÉ

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2009046733A1] The invention relates to an electric winding body (1a, 1b, 1c) comprising an electrically conductive winding and an insulation surrounding the winding, wherein the surrounding insulation surrounds the entire winding and forms a mechanically stable winding body, and wherein inside the winding body at least one continuous channel having an opening in the electric winding body is arranged. By arranging an elongation element (2a, 2b, 2c) in the openings of the continuous channels, the channels are elongated beyond the dimensions of the electric winding body, thus providing for improved cooling. By attaching additional lateral elements (8a, 8b, 8c, 8d) on the outer wall of the electric winding body, the intermediate space created in this way forms a new cooling channel, which produces an additional cooling effect due to the air current created by the chimney effect.

IPC 8 full level

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