

Title (en)
TRANSFORMER CORE

Title (de)
TRANSFORMATORKERN

Title (fr)
NOYAU DE TRANSFORMATEUR

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Application
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Abstract (en)
[origin: WO2011039003A1] The invention relates to a method for producing a transformer core (200), among other things. According to the invention, adjacent plate edges are connected to one another by means of cold gas spraying using a material that can be magnetized. As a result, the magnetic flow can remain within the transformer plate without having to change to a neighboring transformer plate. Planar electrical eddy currents in the transformer plates can also be avoided and the electrical losses and the core noises can be reduced during operation of the transformer. By using a cold gas spraying method, bonding material can be formed on the basis of nanocrystalline or amorphous materials, for example. There is preferably one electrically isolating insert (300) provided between each of the two transformer plates after connecting the two plate edges of one of the transformer plates and before connecting the two plate edges of the next overlying transformer plate. According to the invention, the cold gas spray stream is thus prevented from hitting the underlying transformer plate when connecting the two plate edges of the overlying transformer plate.

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