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Transformer-core

Title (de)

Transformatorkern

Title (fr)

Noyau de transformateur

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2618347A1] The invention is related to a transformer core (30, 50, 80, 100, 110), comprising at least three hollow-cylindrical rectangular shaped core-discs (10, 42, 44, 46, 52, 54, 56, 82, 84, 102, 104, 112) wound from a magnetic band-like material (12, 14, 16), wherein two opposed limb areas (20, 22) and an upper (24) and lower (26) yoke area are formed along a circumferential path (18a, 18b, 18c, 18d). The core-discs (10, 42, 44, 46, 52, 54, 56, 82, 84, 102, 104, 112) comprise one first (60, 64, 90, 94) and at least one second (58, 62, 86) slanted area parallel to the circumferential path (18a, 18b, 18c, 18d) in the belonging limb (20, 22) area. The at least three core-discs (10, 42, 44, 46, 52, 54, 56, 82, 84, 102, 104, 112) are connected according to a polygonal layout (48) at their belonging first slanted areas (60, 64, 90, 94), which are arranged adjacently face to face. At least one flat plate (66, 68, 88, 92, 106) is foreseen in each limb area (20, 22), which is connected even and stiff with a belonging adjacent slanted area (58, 60, 62, 64, 86, 90, 94).

IPC 8 full level

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CPC (source: EP)

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