

Title (en)

TRANSFORMER STRUCTURE, AND LOCOMOTIVE TRACTION TRANSFORMER

Title (de)

TRANSFORMATORAUFBAU UND TRAKTIONSTRANSFORMATOR FÜR LOKOMOTIVE

Title (fr)

STRUCTURE DE TRANSFORMATEUR ET TRANSFORMATEUR DE TRACTION DE LOCOMOTIVE

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Application

EP 19801188 A 20190828

Priority

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Abstract (en)

The present disclosure provides a transformer structure and a traction transformer for a locomotive and relates to the technical field of transformers. The transformer structure comprises: a core and a coil; the core comprises side yokes and a core limb, and the coil is sleeved outside the core limb. Since a transformer having a transformer structure needs to be placed in an oil tank, when the sum of the cross-sectional areas of the side yokes on any two sides of the core limb is greater than or equal to the cross-sectional area of the core limb, the transformer can be designed with different schemes according to different locomotives, the shape and area of the transformer structure can be adjusted for spatial limitations of different locomotives, and the cross-sectional areas of different side yokes are set by using the cross-sectional area of the core limb as a reference, so that it is easier to match a suitable oil tank, it can be better adapted to a vehicle body structure with great spatial limitation, and the technical problem can be effectively alleviated that the space for the transformer structure in the prior art is greatly limited so that the transformer cannot be placed, and therefore the transformer structure of the present disclosure is more suitable for popularization and use.

IPC 8 full level

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