

TRANSFORMER WITH AMORPHOUS ALLOY CORE

ABSTRACT OF THE DISCLOSURE:

The present invention provides a transformer with an amorphous alloy core, wherein the loss due to a core loss of the amorphous alloy core can be alleviated, and an increase in capacity can be achieved. A transformer includes transformer contents including an amorphous alloy core 2 formed using an amorphous magnetic ribbon and a winding 3 mounted on the core 2, and a tank 1 in which the transformer contents are contained. The transformed has a feature that a silicone liquid 14 is encapsulated in the tank 1 so as to contact with the core 2 constituting one of the transformer contents within the tank 1 to perform a function of inhibiting the dissipation of heat of the core 2.

FIGURE 1