

**TRANSFORMER, COIL, WIRE AND PRODUCING METHOD THEREFOR
ABSTRACT OF THE DISCLOSURE**

In a wire before being wound as a coil, a thickness of a part of an electrically insulating layer on at least one of first and second body surface portions opposed to each other is larger than a thickness of a part of the electrically insulating layer on at least one of third and fourth body surface portions opposed to each other. An axial end of the coil is sealed by a silicone rubber of thermosetting type.

Figure 2