

**98-0094**

The invention refers to electrical engineering, namely, to processes for manufacturing the micro-wire in the glass insulation.

The process for manufacturing the micro-wire in the glass insulation comprises degreasing of the glass tube, installation therein of the conductor-forming material in the form of a rod with annular groove on the one end and tapering on the other one, which is coaxially installed into the tube and is fixed by heating and tightening it from the outside on the annular groove level, thereafter the air is continuously evacuated from the obtained binary blank which is preheated up to the hermetic coupling of the glass tube with the rod surface cone and adjacent portions, then it is advanced with the cone in the HF-inductor field forming around the binary blank a quasi-closed space wherefrom the micro-wire is extended in the glass insulation, the parameters of which being checked and corrected in the technological process of melting by changing the components thereof, around the binary blank in the field of the HF-inductor activity it is fed the continuously renovated inert gas.