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The invention relates to the electrical measuring technique, in particular to ethanol sensors based on copper oxide nanowires, obtained directly on the surface of a copper microwire.
The ethanol sensor based on copper oxide comprises a dielectric substrate, on the surface of which, at the opposite ends, are deposited two gold contacts, between which is placed a copper microwire of a diameter of 30 μm, forming contact surfaces coated with cupric oxide nanowires, obtained by coating of contacts with copper powder and thermal treatment in the air at a temperature of 425°C for 2 hours.

Claims: 1
Fig.: 4