

Technical University of Moldova

MD.3.

Title

Ethanol sensor based of copper oxide

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Description EN

Ethanol sensor based on CuO nanowires (nanostructures), which includes a glass substrate, on the surface of which two gold contacts are deposited, a copper wire 30 μm is deposited between the contacts, characterized in that at the contact between the yarn and the gold is drizzled copper powder, which is thermally treated in air at 425 $^{\circ}\text{C}$ for 2 hours and has high sensitivity to ethanol vapor concentration 100 pmm, low response/recovery time and high reproducibility of parameters.

Class no.

1.

