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The invention relates to a technology for producing nanostructured materials, in particular to a technology for producing a network of CuO-Fe₂O₃ nanowires by thermal oxidation in the environment, which can be used in the manufacture of gas sensors and various micro-optoelectronic devices.

The process, according to the invention, includes degreasing of the glass, application on the surface of iron microparticles (size 50...60 µm) and copper microparticles (size 15...25 µm), thermal oxidation in air at a temperature of 425°C for 4 hours with the rate of temperature rise in the furnace of 40°C/min.

Claims: 1

Fig.: 4