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The invention relates to a technology for producing nanostructured materials, in particular to a technology for producing a nanowire network, which can be used in the manufacture of gas sensors and various micro-optoelectronic devices.

The process for producing a CuO-Fe<sub>2</sub>O<sub>3</sub> nanowire network on glass substrate comprises degreasing the glass substrate, applying iron microparticles and copper microparticles on its surface, thermal oxidation in air, in an electric furnace, 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