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The invention relates to the nanostructured materials production technology, in particular to methods for producing metal nanostructured membranes.

The method, according to the invention, comprises the electrochemical deposition in a pulsed mode on an n-GaAs substrate of an Au film, at room temperature, for 2 min and anodization, at room temperature, with the application of a voltage of 4 V, with subsequent detachment of the Au film and obtaining of a perforated Au nanomembrane.

Claims: 1

Fig.: 3