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The invention relates to the technology for producing thermoelectric materials based on bismuth with high power factor and can be used for producing thermoelectric energy in extreme conditions.

The thermoelectric material based on bismuth, according to the invention, is produced by introducing 0.001 at.% Te into the $\text{Bi}_{0.94}\text{Sb}_{0.06}$ alloy by thermal synthesis and is made by the Ulitovsky method in the form of microwire in glass insulation.

Claims: 1

Fig.: 3