

s 2022 0049

The invention relates to electronic engineering, and can be used for the manufacture of anisotropic thermoelements for thermoelectric generators.

The anisotropic thermoelement consists of at least one pair of thermoelectrodes in the form of single-crystal microwires in glass insulation, one of which is made of Bi doped with Sn with a concentration of 0.155%at.Sn, with the crystallographic axis  $C_3$  directed along the microwire, elastically stretched at room temperature, and the other is made of pure Bi with the crystallographic axis  $C_2$  directed along the microwire.

Claims: 1