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The invention relates to the field of direct thermal-to-electric power transmutation, in particular to the thermoelectric cooling field.

Summary of the invention consists in increasing the thermoelectromotive force value under the action of the transverse electrostatic field, amplified by the microwire cylindrical geometry in the glass insulation and in establishing a polarity of the electrostatic field depending on the microwire electric conductance type.

Claims: 1

Fig.: 4