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East Germany

[Redacted]

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SAG Kabel: Potentiometer Developments at the Scientific Technical Office No 4 (IBTEM);

[Redacted]

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the GDR Research and Development Plan 1951, and more specifically, the development work performed by the IBTEM during the first part of 1951 in the field of deposited-film resistors. The indicated aim of this enterprise is to improve the stability and decrease the voltage dependence of the resistors, at the same time endeavoring to find methods for employing domestically available lamp-blacks and lacquers. The development project is officially titled "Further Development of Deposited-Film Potentiometers on the Basis of Sprayed-on Lamp-Black Semiconductors". As to resistors with values of up to a few megohms, [Redacted] mechanically strong ones were successfully produced which exhibit favorable characteristics with respect to temperature dependence and voltage dependence. Resistors for as high as 10^8 to 10^{11} ohm were obtained by the use of copper oxide and antimony trioxide; however their temperature dependence, voltage dependence, as well as their stability were unsatisfactory.

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