

MANUFACTURE OF HIGH-TEMPERATURE ELECTRIC HEATERS BASED ON SOLAR ENERGY

Introduction. Famous scientists Strebkov D.S., Kharchenko V.V., Alekseev V.V., Vissarionov V.I., Kazanyan B.I., Tarnievsky S.N., Andersen B., Beckman U., Duffy J., Klein S., McVeig D., Khrustov B.N. and b., Uzbek scientists Zakhidov R.A., Avezov R.R., Klychev Sh.I., Abbasov E.S., Abdurakhmonov A. Mamatkosimov made a great contribution. In particular, they conducted research on the development of energy-efficient technologies for using solar energy in the production of ceramic materials, improving the temperature and humidity conditions and modeling heat and mass transfer processes for optimal control of technological processes. Although the use of solar energy for ceramic materials is widely used in foreign countries (Russia, Ukraine, etc.). Insufficient attention is paid to solving the complex requirements for the parameters of high-temperature electric heaters using renewable energy sources, especially solar energy.

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