

ABSTRACT

Galvanic coatings in instrument engineering Development of technological process of causing alloy of tin-bismuth alloy on aluminum parts.

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The technology of causing of alloy tin-bismuth on aluminum parts to provide them with a better ability to solder in a long time. Production 10 000 sq m/year has been developed. Calculation of technological process has been released. Alloy deposition takes place from sulphate electrolyte at cathodic current density 2 A/sq dm.

The project envisages measures for safety, foreseen the methods of automation of production, calculated the economical indexes of enterprise, offered the method of cleaning of sewage.

Keywords: tin-bismuth alloy, sulphate electrolyte, galvanic bath, electrodes, current density, voltage balance, wastewater treatment.