

ABSTRACT

«Galvanic coatings in mechanical engineering. Development of technology for hard anodizing of aluminum alloy parts»

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In the diploma project the technological process of drawing an anode hard covering on details from an aluminum alloy is developed. The anodizing is carried out in a sulfosalicylate electrolyte at a temperature of 5 – 15 °C and an anode current density of 1.5 A/dm².

In the course of work technological, technical and economic calculations are carried out, the scheme of automation of process is offered, the analysis of dangerous factors of influence is carried out and measures on labor protection and safety are resulted. The scheme of sewage treatment is offered.

Key words: anodizing, sulfosalicylate electrolyte, duralumin anodizing, current balance, voltage balance, production automation, wastewater treatment.