

## ABSTRACT

«Galvanic coatings in instrumentation. Development of the technology of coating copper coating on steel components of complex configuration»

Tyagur U. Kyiv: Igor Sikorsky KPI, CTF, HE-51

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The diploma project has developed a technological process of applying copper coating to steel parts of a complex configuration. The fusion is carried out in a cyanide electrolyte at a temperature of 50 - 55 and a cathode current density of 1.5 A / dm<sup>2</sup>.

Technological and technical-economic calculations were carried out, the scheme of automatic regulation of the copper process was proposed, hazardous factors of influence were analyzed and measures on occupational safety and safety were given. The scheme of sewage treatment by the reagent method is proposed.

**Key words:** copper, chromate film, galvanic bath, anodes, cyanide electrolyte, current and voltage balances, waste water.