Abstract

Electroplating in the instrument. Development of technology of ductile chrome steel parts in stationary tub.

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The project developed technology for applying functional and protective coating on the ductile chrome steel parts, with a tetrachromate electrolyte with the aim to give a protection against corrosion and deterioration, arising under operating conditions. Precipitation of chromium from tetrachromate electrolyte is held at a temperature of 22 °C, cathode current density and voltage of 65 A/dm² 20,2 B. The project held constructive and technological calculations, scheme of automatic regulation of chromium. Calculations of energy and wages. The proposed scheme for waste water treatment combined reagent method of additional purification using ion-exchange colums, analyzed the harmful and dangerous production factors and the measures of safety and health.

Key words: chromium, tetrachromate electrolyte, stationary tub, balance voltage, combined method for sewage treatment.

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