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The invention relates to electroplating, namely to a process for deposition of coatings from trivalent chromium-based electrolyte.

The process for deposition of coatings from trivalent chromium-based electrolyte comprises deposition of a chromium coating from an oxalate-sulfate electrolyte, containing, g/L: $\text{Cr}_2(\text{SO}_4)_3 \cdot 6\text{H}_2\text{O}$ – 200, $\text{Na}_2\text{C}_2\text{O}_4$ – 30, Na_2SO_4 – 80, with a pH of 0.8...1.2, an electrolyte temperature of 35...45°C, a cathode current density of 2.0...4.0 kA/m², using a three-phase current source and an inductive-capacitive device, connected in series into the supply circuit of a galvanic bath, at the same time the device is formed of two units – capacitive and inductive, connected in parallel to each other, the inductive unit has an inductance within the limits of 0.1...10.0 H, and the capacitive unit has a total capacity within the limits of 0.001...0.11F.

Claims: 1

Fig.: 1