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

The process, according to the invention, comprises deposition of a chromium coating from an oxalate-sulfate electrolyte, containing, g/L:  $Cr_2(SO_4)_3 \cdot 6H_2O - 150...200$ , NiSO<sub>4</sub>  $\cdot 7H_2O - 1...10$ , Na<sub>2</sub>C<sub>4</sub>H<sub>4</sub>O<sub>6</sub>  $\cdot 2H_2O - 1...3$ , Na<sub>2</sub>C<sub>2</sub>O<sub>4</sub> - 25...30, Na<sub>2</sub>SO<sub>4</sub> - no more than 80, at a pH of 0.8...10, an electrolyte temperature of 30...50°C and a cathodic current density of 3.0...5.0 kA/m<sup>2</sup>, using a three-phase current source and an inductive-capacitive device, connected in series into the feed circuit of the 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 0.1...10.0 H, and the capacitive unit has a total capacity within the limits 0.001...0.11 F.

Claims: 1 Fig.: 5