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The invention relates to the field of metallurgy, in particular to the chemicothermal treatment of metals and can be used for aluminizing products from nonmagnetic steels and nonferrous metals.

The process for aluminizing steel products from nonmagnetic materials and nonferrous metals includes the preparation and placement in a pipe of conductive nonmagnetic material, with the ends sealed with the help of rubber seals, of a mixture of aluminum powder or aluminum oxide and pieces of wire of ferromagnetic soft material, coaxial placement with a clearance in the pipe, through the seals, of the work piece of cylindrical shape, pipe placement in the cavity of an inductor with magnetic induction of 25...35 mT, connection of the pipe to the positive pole of a direct current source with the voltage of 40...90 V and of the product to the negative pole, through an RC circuit.

Claims: 4

Fig.: 2