

s 2009 0103

The invention relates to the steel treatment processes, in particular a process for thermochemical treatment of steel articles.

The process, according to the invention, includes the anode heating of the article up to a temperature of 400...950°C for 3...5 minutes, in an electrolyte containing, g/l: NH_4Cl 40...60, $\text{NH}_2\text{OH}\cdot\text{HCl}$ 0.05...0.10, $\text{N}_2\text{H}_4\cdot\text{HCl}$ 0.1...1.0, water – the rest, at a current voltage of 100...220 V and a density of 1.0...2.5 A/cm², afterwards the article is quenched in an aqueous solution containing 50...100 g/l of sodium hydroxide.

Claims: 1