

The invention relates to the field of superconductivity. A method for obtaining of high-temperature superconductive covering provides for preparation of the initial saline solution of metals-components of high-temperature superconductive compound and polybasic organic acids in the polyatomic alcohol, its application at the substrate with the subsequent thermal decomposition of the applied layer and annealing. The initial solution is prepared by mixing of water solution of metals-components nitrates of high-temperature superconductive compound with total concentration of cations not more than 1.5 Mole/l with solution of lemon acid in ethylene glycol at the ratio of lemon acid not less than 2:1 and ethylene glycol 7:1 Moles on 1 Mole of cations of metals-components of high-temperature superconductive compound. Then the prepared solution is maintained at 343-353 K to formation of polymeric viscid solution. Thermal decomposition of the applied layer is carried out by high-speed heating on air at a temperature of 1113-1193 K.