

ABSTRACT

Anti-tarnishing solution and a method for preventing tarnishing of copper or copper alloy

To provide an anti-tarnishing solution for copper or copper alloy material which can produce a treated surface having outstanding heat resistance as well as anti-tarnishing effect in ordinary environment, with excellent adhesion to resin at low temperatures, and to establish an anti-tarnishing method using the above solution. The anti-tarnishing solution comprises a silane coupling agent and a metal nobler than copper or a salt of the metal as major constituents and water or an organic solvent as a solvent, further comprising a pH buffering agent and/or a surfactant. The anti-tarnishing treatment is carried out by dipping the copper or copper alloy in the anti-tarnishing solution or by sprinkling or spraying the solution over the object.