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LIMITING THE LOSS OF TIN THROUGH OXIDATION IN TIN OR TIN ALLOY ELECTROPLATING BATH SOLUTIONS

Abstract of the Disclosure

Provided for is a solution for use in the electroplating of tin and tin alloys comprising a basis solution comprising an acid, optionally a salt thereof, the acid
5 selected from the group consisting of fluoboric acid, an organic sulfonic acid, a mineral acid, or a combination thereof; divalent tin ions; and an antioxidant comprising a hydroxy benzene sulfonic acid or salt thereof, in an amount effective to prevent the oxidation of divalent tin ions. Also provided for is a method for electroplating comprising electroplating a substrate using an electroplating solution
10 comprising a hydroxy benzene sulfonic acid or salt thereof in an amount effective to decrease the oxidation of tin ions.

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