

ABSTRACT

Provide is a method of regenerating a plating composition, by which metal ions in a high oxidation state that are contained in a plating composition can be efficiently reduced to metal ions in a low oxidation state. The method of regenerating a plating composition includes: removing at least a portion of a surfactant from a plating composition containing tin (IV) ions and the surfactant; introducing the plating composition, from which at least a portion of the surfactant has been removed, to a working electrode compartment which includes a working electrode and is separated from a counter electrode compartment including a counter electrode by a membrane selected from the group consisting of an ion exchange membrane, a reverse osmosis membrane, and a nanofiltration membrane, so as to reduce at least a portion of the tin (IV) ions in the introduced plating composition to metallic tin using the working electrode as a cathode; and oxidizing at least a portion of the thus reduced metallic tin to tin (II) ions using the working electrode as an anode.