

METHOD FOR RECOVERING AU FROM IODINE-BASED ETCHING WASTE AND RECYCLING ETCHING SOLUTION

ABSTRACT

Provided is a method for electrolytically recovering Au from a spent iodine-based etching solution containing Au and simultaneously recycling the spent etching solution. The method is characterized by setting the cathode potential from -0.75 V to -0.95 V (reference electrode: Ag/AgCl), and a ratio of the current density of the anode relative to the current density of the cathode from 3 to 50, but excluding 3. The present invention aims to provide a method for treating a spent iodine-based etching solution, i.e., a method that enables to recover Au and also to recycle the iodine-based etching solution, in a stable and efficient manner without precise pH control.

Fig. 1