

ABSTRACT

The present invention discloses an electroplating apparatus having a function of monitoring the state of an ion-exchange membrane in an electroplating chamber and a monitoring method. The electroplating apparatus comprises: an electroplating chamber, provided with the ion-exchange membrane inside, and the ion-exchange membrane dividing the electroplating chamber into a cathode chamber and an anode chamber; an anode tank, configured to hold anode electroplating solution and connected to the anode chamber through a pipeline, so that the anode electroplating solution circulates between the anode chamber and the anode tank; a cathode tank, configured to hold cathode electroplating solution and connected to the cathode chamber through a pipeline, so that the cathode electroplating solution circulates between the cathode chamber and the cathode tank; a monitoring mechanism, configured to monitor at least one event information of the electroplating apparatus, and the event information being used to determine the state of the ion-exchange membrane. The electroplating apparatus realizes real-time monitoring of whether the state of the ion-exchange membrane is in a normal working state by arranging the monitoring mechanism to monitor various event information of the electroplating apparatus in real time, thereby preventing cross-contamination between the cathode electroplating solution and the anode electroplating solution and ensuring the quality of the plating layer.