

Abstract

An aqueous solution containing metal ions and sulfuric acid, especially a solution containing zinc ions, iron ions and/or copper ions is placed for the cathodic precipitation of the metal ions into the anolyte chamber of an electrolysis cell divided by a cation exchanger membrane, and due to the voltage applied to the electrodes metal ions and hydrogen ions migrate from the anolyte through the cation exchanger membranes into the catholyte chamber and there are discharged, the sulfuric acid concentration in the anolyte being constantly elevated by anodic formation of protons.

The regeneration is to be used as an intermediate step of a chlorine gas-free regeneration of etching or extraction solutions.

This Sheet Has Been Replaced

