

ABSTRACT

A device for electrochemically generating hydrogen peroxide and a production method for hydrogen peroxide, relating to the technical field of electrochemistry. The device comprises a cathode electrode (2), an anode electrode (1) and a water absorption piece (3); the anode electrode (1) is spaced apart from the cathode electrode (2); the water absorbing member (3) is arranged between the anode electrode (1) and the cathode electrode (2); the water absorbing member (3) is tightly attached to the anode electrode (1) and the cathode electrode (2); when in use, the water absorbing member (3) absorbs liquid and stores same such that a circuit between the cathode electrode (2) and the anode electrode (1) is conducted, moisture is electrolyzed to generate hydrogen peroxide, and the hydrogen peroxide is released into air to achieve a sterilization and disinfection effect. The device for electrochemically generating hydrogen peroxide can directly absorb moisture of air to prepare hydrogen peroxide, thereby solving the problem in the prior art of needing to manually adding an electrolyte in a hydrogen peroxide production device.

(FIG. 1)