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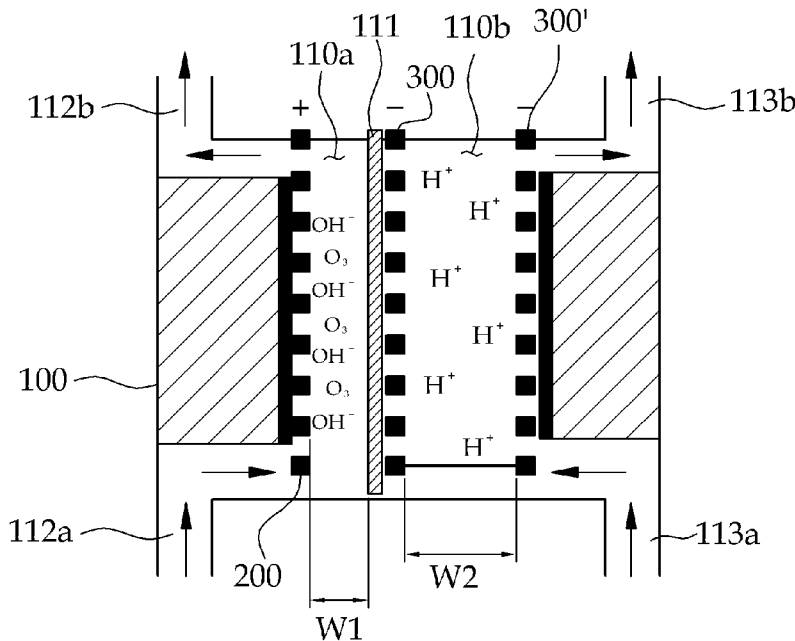
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공개:

— 국제조사보고서와 함께 (조약 제 21 조(3))

(54) Title: ELECTROLYSIS BATH FOR ACIDIC WATER AND METHOD FOR USING THE ACIDIC WATER

(54) 발명의 명칭: 산성수 전해조 및 그 산성수의 이용방법



(57) Abstract: The purpose of the present invention is to provide an electrolysis bath for acidic water and a method for using the acidic water, wherein the electrolysis bath for acidic water can electrolyze tap water as well as pure water or ultra-pure water particularly by connecting electrodes having the same polarity into one in order to simultaneously supply power to the electrodes having the same polarity, thereby obtaining sufficient conductivity and stability of the surface of the electrode due to the wide surface of the electrode without using additional catalysts or an ion exchange resin. Also, another purpose of the present invention is to provide an electrolysis bath for acidic water and a method for using the acidic water wherein water having an acidic property and reducing power (acidic reduced water) can be obtained in a cathode, and water having an acidic property and oxidizing power (acidic oxidized water) can be obtained in an anode without using a catalyst, whereas the typical electrolysis bath uses a catalyst for electrolysis, and an acidic and oxidizing property can be obtained in an anode and an

acidic and reducing property can be obtained in a cathode. Yet another purpose of the present invention in particular is to provide an electrolysis bath for acidic water and a method for using the acidic water wherein highly concentrated acidic water can be obtained in the electrolysis bath for acidic water by additionally having a mesh electrode having a different polarity from that of a plurality of the described electrodes on one face of an ion exchange membrane so as to minimize the distance between electrodes while widening the electrode area in order to further facilitate oxidation-reduction reactions.

(57) 요약서:

[다음 쪽 계속]

