Exhibit 11



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(12) United States Patent

Satoh et al.

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(54) METHOD AND APPARATUS FOR PRODUCING ELECTROLYZED WATER

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U.S.C. 154(b) by 0 days.

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§ 371 Date: Apr. 22, 1999 § 102(e) Date: Apr. 22, 1999 (87) PCT Pub. No.: WO99/10286 PCT Pub. Date: Mar. 4, 1999

(30) Foreign Application Priority Data

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(51)	Int. Cl. ⁷		C25B 15/00 ; C02F 1/461
(52)	U.S. Cl.		205/744; 205/746; 204/229.6;
			204/252
(58)	Field of	Search	

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(57) ABSTRACT

An electrolytic cell capable of controlling the pH and the ORP independently to each other, comprising an electrolytic chamber (113) to which subject water to be electrolyzed are supplied, membranes (115, 115) provided on the both side walls of the electrolytic chamber, a pair of electrode plates (116, 117) respectively provided inside the electrolyzed chamber and outside the electrolytic chamber sandwiching the membrane therebetween, and wherein the electrode plate (116) is provided outside the electrolytic chamber in contact with the membrane (115) or leaving a slight space.

10 Claims, 13 Drawing Sheets

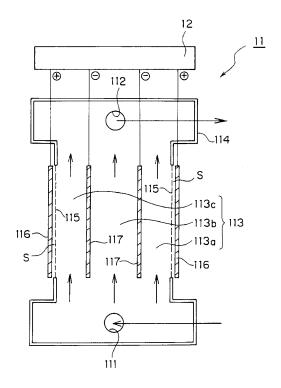




FIG. I

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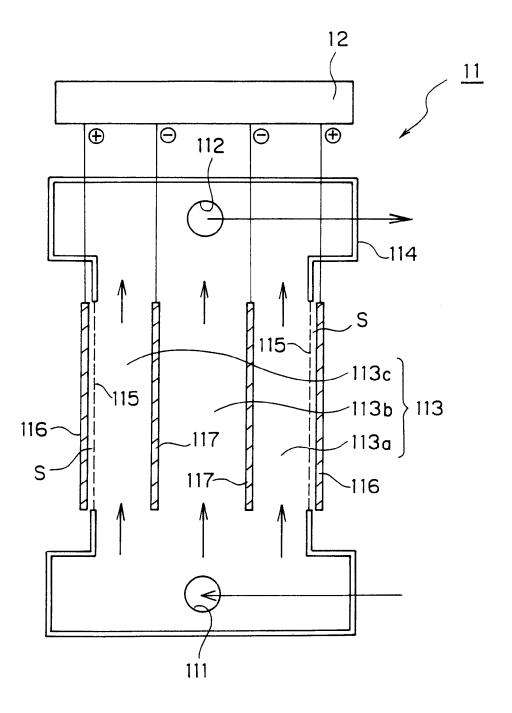


FIG. 2

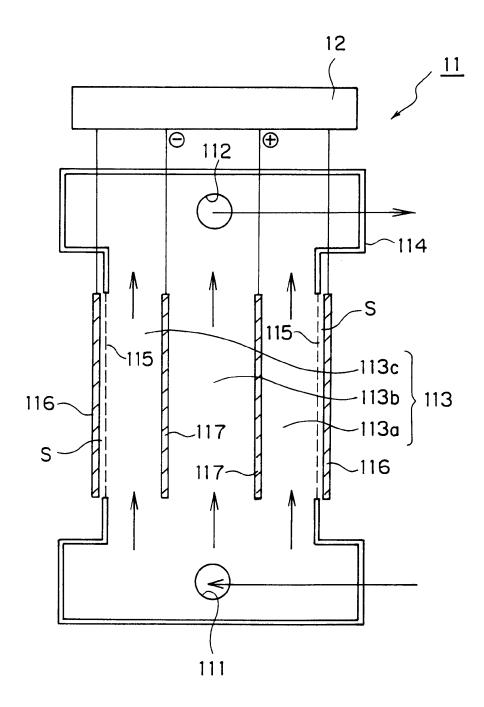
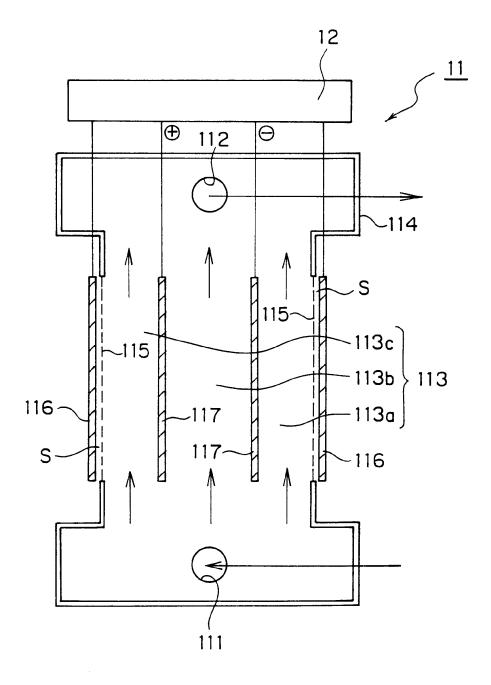


FIG. 3

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