

ELECTROLYZED WATER PRODUCTION SYSTEM**ABSTRACT OF THE DISCLOSURE**

An electrolyzed water production system has a brine storage tank, brine supply means for supplying the saturated brine from the storage tank for mixing with raw water supplied from a source of raw water and an electrolytic cell for producing electrolyzed water. An electric control circuit comprises detection means for detecting the conductivity of the diluted brine supplied to the electrolytic cell, and feedback control means for controlling operation of the brine supply means in such a manner that the conductivity of the diluted brine detected by the detection means is adjusted to a predetermined target value. The circuit also includes memory means for memorizing an amount of saturated brine mixed with the raw water in operation of the brine supply means under control of the feedback control means, and initial control means for controlling operation of the brine supply means in such a manner that a supply amount of saturated brine is adjusted on a basis of the instant amount of saturated brine memorized in the memory means during previous operation of the brine supply means under control of the feedback control means when the electrolytic cell is activated to start production of the electrolyzed water.

Figure 1