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(54) Title: ELECTROLYTIC WATER TREATMENT SYSTEM WITH AUTOMATED CATHODE CLEANING MECHANISM THEREOF AND METHOD THEREFOR

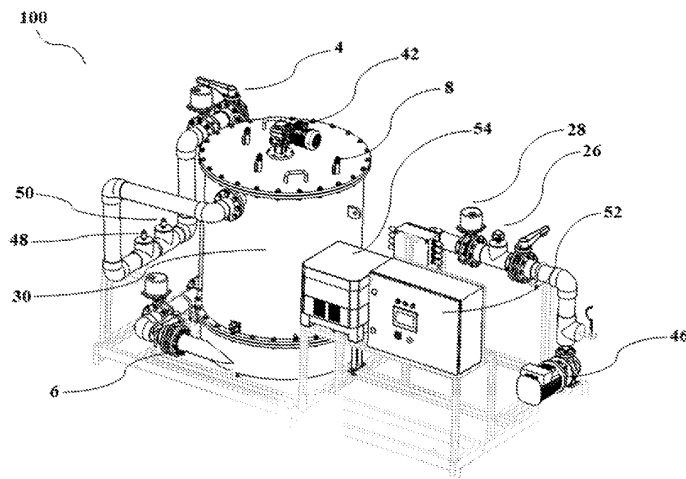


Figure 1

(57) Abstract: Disclosed is an electrolytic water treatment system (100) with an automated cathode cleaning mechanism thereof and a method therefor. The electrolytic water treatment system (100) effectively removes scale forming minerals for large cooling towers and consumes less space. The electrolytic water treatment system (100) utilizes a shell in shell type arrangement so that both sides of anodes (18) and cathodes (16) are used for electrolysis simultaneously which makes the electrolytic water treatment system (100) highly efficient, effective and less expensive. By using the electrolytic water treatment system (100), the life of the anode (18) is increased at least two to three times compared to the polarity reversing method.

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