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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

(54) Title: SYSTEM AND METHOD OF DEIONIZATION OF WATER

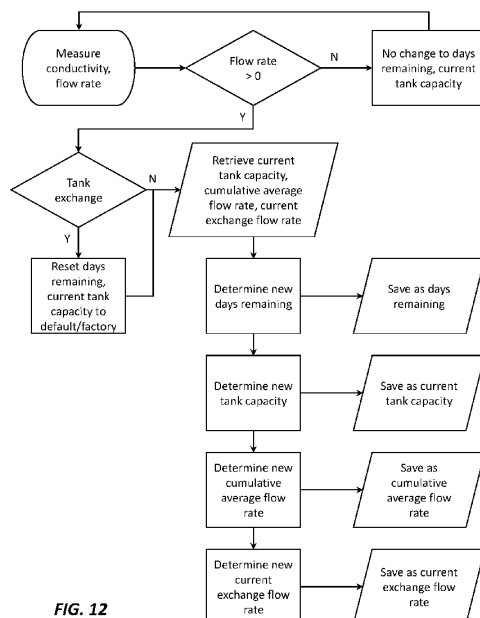


FIG. 12

(57) Abstract: A method of treating water in a water treatment system after a replacement of an ion exchange bed includes introducing water to be treated into the ion exchange bed of the water treatment system to produce treated water, calculating a current exchange daily average flow rate of water through the water treatment system, calculating a cumulative daily average flow rate of water through the water treatment system, and determining an estimated number of days remaining to exhaustion of the ion exchange bed based on the current exchange daily average flow rate and the cumulative daily average flow rate.

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