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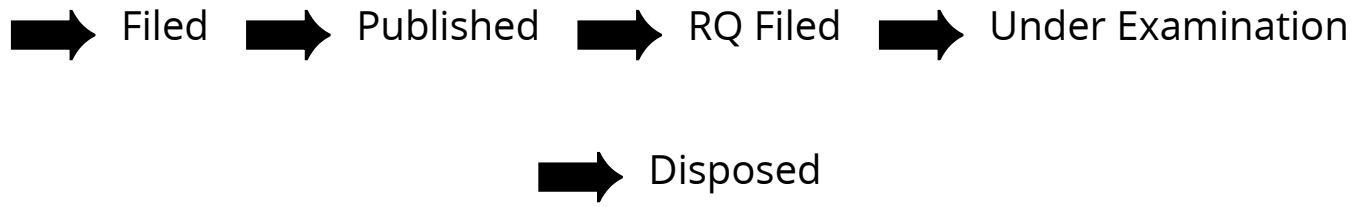
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(57) Abstract :

INTERNET OF THINGS (IOT) BASED SYSTEM FOR BALANCING POTENT OF HYDROGEN (pH) OF AQUACULTURE PONDS ABSTRACT An Internet Of Things (IoT) based system for balancing potent of hydrogen (pH) of aquaculture ponds is disclosed. The system (100) comprising: pH sensors (104a-104n) to measure a pH level of water stored in the aquaculture ponds (102); a first chemical reservoir (106a) adapted to store a first corrective solution (108a); a second chemical reservoir (106b) adapted to store a second corrective solution (108b). A processor (112) is configured to: receive the measured pH level from the pH sensors (104a-104n); compare the measured pH level with a threshold value; actuate the first automated dosing mechanism (110a) to dispense a first amount of the first corrective solution (108a) when the pH level is below the threshold value; or actuate the second automated dosing mechanism (110b) to dispense a second amount of the second corrective solution (108b) when the pH level is above the threshold value. Claims: 10, Figures: 3 Figure 1 is selected.

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