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(57) Abstract :

IoT Based Water Filter for Aquarium According to an embodiment, present invention provides an IoT based water filter for aquarium, said water filter comprising; a suction pump for drawing polluted water from aquarium into the water filter, polluted water comprises pollutants such as undigested particles of food, salt, and bacteria; a set of filter layers fluidically coupled to the suction pump to filter out the pollutants from the polluted water to clean the water, and disposing waste thus generated into a garbage bag coupled to the set of filters; a set of sensors for sensing one or more attributes associated with the aquarium, the one or more attributes comprises temperature, water cleanliness and illuminance; and a control unit operatively coupled with the set of sensors to compare the sensed one or more attributes with a set of predefined threshold respectively, and generate a control signal if the sensed one or more attributes breaches the set of predefined threshold, wherein the generated control signal facilitates in taking remedial action.

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