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| (51) International classification             | :B65F0001140000,<br>G08B0013196000,<br>C02F0009000000,<br>C02F0001720000,<br>C02F0001000000 | (71) <b>Name of Applicant :</b><br><b>1)Chandigarh Group of Colleges, Jhanjeri</b><br>Address of Applicant :State Highway 12A Jhanjeri, Sahibzada<br>Ajit Singh Nagar, Punjab 140307, India. Punjab India |
| (31) Priority Document No                     | :NA   | (72) <b>Name of Inventor :</b>  |
| (32) Priority Date                            | :NA   | <b>1)Dr. Sajjan Singh</b>   |
| (33) Name of priority country                 | :NA   | <b>2)Amarjeet kaur</b>  |
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(57) Abstract :

An automatic tank cleaning device comprising of a hollow body 1 having a hinged lid 2, to store water, a first sensor 3 determines odor and a second sensor 4 determines pH of the stored water in body 1, an artificial intelligence (AI) camera 5 in communication with a microcontroller, determines whether the water is potable or foul, an inflatable unit 6 in combination with a primary pump and a pipe 7, wherein the potable water is pumped into the inflatable unit 6, a primary chamber 8 wherein water accumulated in the inflatable unit 6 gets transferred in the primary chamber 8, a water level sensor activates the algal sensor upon decrease in water level in body 1, an algal removal unit 9 in combination with an algal detection sensor, actuates to remove algae, a drainage unit 10 in association with a secondary pump allows removal of foul water. Ref Figure 1

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