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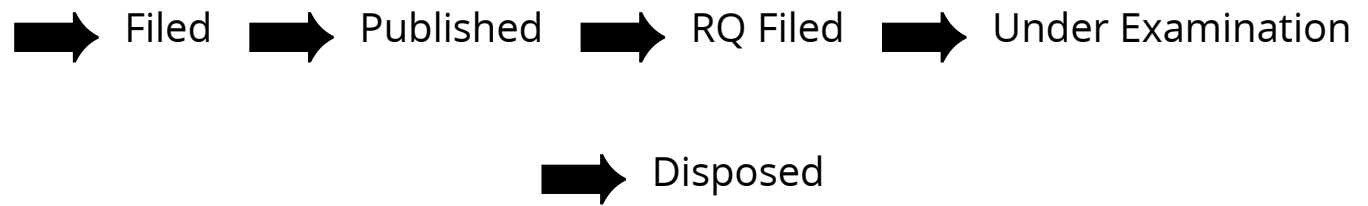
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APPLICANT NAME	Tripura University (A Central University)
TITLE OF INVENTION	WATER PURIFICATION SYSTEM
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(54) Title of the invention : WATER PURIFICATION SYSTEM

(51) International classification	:C02F0001000000, C02F0001420000, F01N0003100000, C02F0001440000, C02F0001280000	(71) Name of Applicant : 1)Tripura University (A Central University) Address of Applicant :Tripura University (A Central University), Suryamaninagar, Agartala - 799022, Tripura West, India. Tripura India
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(57) Abstract :

A water purification system provided with selective filtering mechanism is disclosed. The system includes a water purification unit that includes an inlet configured to receive water from a water source; a set of sensors attached to the inlet. The set of sensors is configured to sense one or more attributes pertaining to quality of the received water. The water purification unit may include a plurality of filters operatively coupled to the inlet. The plurality of filters includes at least first set of filters and at least second set of filters. The system includes a set of control valves configured between the plurality of filters and the inlet. Based on the sensed one or more attributes, the set of control valves are configured to control flow of the received water through each of the at least first and second sets of filters.

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