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(54) Title: GREEN REVERSE OSMOSIS WATER FILTER WITH ZERO WASTE

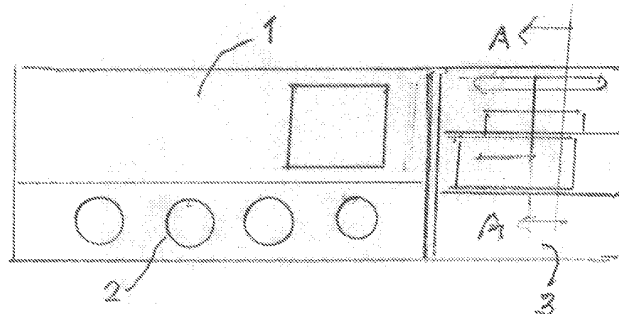


Fig 1

(57) Abstract: The GRO is a reverse osmosis water filter which is recommended to be installed above counter top within the vicinity of a sink; it consists of two water tanks, one independent atmospheric waste water and one independent atmospheric filtered water tank, and has a twin inlet sink faucet as a standard component; the filtration speed of the GRO will be optimum almost all the times as it works on pressure of the water pipeline and water level in the GRO and subjected only to the atmosphere, and without increase to counter the back pressure like in the case of a traditional pressure tank; it can provide on demand dispensing almost all the times as the filtration system will be working almost non-stop from setting up, due to the fact that the WT will be vacating the space continually by utilizing the waste water through the twin inlet sink faucet which increases the GRO capacity, achieving the purpose of an RO filter; at the same instance, the utilization of the waste water also ensure zero discharge into the drainage and accomplishing the saving on the consumption of pipeline water which is the long felt need faced in the RO industry; despite having two tanks the GRO remains in compact size due to the fact that the GRO does not have a butyl rubber bag which takes up space and the components are in rectangular shape and can be merged into a compact unit.

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