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(57) Abstract :

The present disclosure pertains to a cap (100) for sanitizing assembly. The cap (100) includes a set of sensors (102) configured at a pre-determined position of the cap (100), where the set of sensors (102) are configured to sense movement of a hand associated with an entity outside a pre-defined region of the cap (100), and correspondingly generate a first set of signals, a pump (104) operatively coupled to the set of sensors (102), and one or more nozzles (106) fluidically coupled to a container (204). The cap (100) is fastened with a container (204), where the container (204) is adapted to accommodate one or more fluids, and where the pump (104) facilitates movement of the one or more fluids from a first pre-determined height to the second pre-determined height based on the received first set of signals, and where the one or more fluids are dispensed from the one or more nozzles (106).

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