

(54) Title of the invention : IOT-BASED TOILET CLEANING SYSTEM

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(57) Abstract :
 An IOT-based toilet cleaning system, comprising a body 101 installed on side wall of a toilet in proximity to a commode 102, plurality of weight sensors 103 integrated on commode's flap for monitoring user's accommodation, a LiDAR sensor 104 mounted on the body 101 to generate commode's 3-dimensional map, a telescopically operated rod 105 arranged on the body 101 to extend towards the commode 102 for positioning a pair of cylindrical brushes 106 arranged at the rod 105 via a pair of crank 107 inside the commode 102 and having plurality of extendable bristles to clean the commode 102, a tactile sensor 108 integrated on the brushes 106 for detecting material of different parts of the commode 102, a chamber 109 arranged on the body 101 mounted with a nozzle to dispense a toilet cleaner stored in the chamber 109 on the commode 102 for cleaning the commode 102.

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