

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311051025 A

(19) INDIA

(22) Date of filing of Application :28/07/2023

(43) Publication Date : 25/08/2023

(54) Title of the invention : AUTOMATED FAUCET AND METHOD TO CONTROL FLOW OF LIQUID THROUGH A LIQUID OUTLET

(51) International classification :B67D0001080000, G06T0007500000, A61M0005310000, G06K0007140000, C02F0001000000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

An automated faucet (100) and method to control a flow of liquid through a liquid outlet is provided. The automated faucet (100) include a depth camera (102) configured to capture an image of a container located under the liquid outlet, one or more sensors (104) coupled to the depth camera (102) and configured to sense a level of liquid filled in the container, and a control unit (108) configured to analyze and determine depth and volume of the container based on the image captured by the depth camera (102) to indicates a storage available in the container to fill the liquid till it is full. The automated faucet (100) minimizes liquid wastage, especially water wastage. The automated faucet (100) provides signal alerts, thereby indicating the nearby user that the container is filled.

No. of Pages : 17 No. of Claims : 10