

(54) Title of the invention : FAUCET ASSEMBLY FOR REGULATING FLUID FLOW

(51) International classification :E03C0001040000, E03C0001050000, B05B0012020000, G05D0023020000, G01K0013020000

(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

(71)Name of Applicant :**1)Chitkara University**

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----

2)Chitkara Innovation Incubator Foundation**Name of Applicant : NA****Address of Applicant : NA****(72)Name of Inventor :****1)GUPTA, Shilpi**

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----

2)SINGH, Chanpreet

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----

3)SINGH, Satinder

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----

4)SINGH, Sarabjeet

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----

5)SINGHAL, Shelly

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----

6)SINGH, Jashandeep

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----

7)SHARMA, Priyanka

Address of Applicant :Lakme Academy GT Road, Khanna, Punjab - 141401, India. -----

(57) Abstract :

The present disclosure provides a faucet assembly to regulate flow of the fluid at home as well industry, and the fluid may be oil, semi-fluid, water, or the like. The proposed faucet assembly (100) includes a timer unit (106) that enables a user to set time duration for dispensing the fluid to prevent wastage of water, and a control unit (108) operatively coupled to the timer unit (106) that control opening and closing of a valve (104) to regulate the flow of the fluid. In addition, the faucet assembly use sensors (110) to detect a temperature of the fluid, and the control unit (108) may control the temperature of the fluid automatically according to the detected temperature of the fluid.

No. of Pages : 19 No. of Claims : 8