

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211018709 A

(19) INDIA

(22) Date of filing of Application :30/03/2022

(43) Publication Date : 09/02/2024

(54) Title of the invention : WATER REGULATOR ATTACHMENT DEVICE

(51) International classification	:A61B0005000000, A61L0002100000, F16K0047020000, G01J0001080000, H04L0001060000	(71)Name of Applicant : 1)Chandigarh Group of Colleges, Jhanjeri Address of Applicant :State Highway 12A Jhanjeri, Sahibzada, Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Sarabpreet Kaur
(32) Priority Date	:NA	2)Sajjan Singh
(33) Name of priority country	:NA	3)Manbir Kaur
(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	

(57) Abstract :

A water regulator attachment device, comprising a body 1 having a first and second portion, first portion fabricated with an opening 2 fitted with an iris lid 3 and extends or retracts to allow body 1 to get mounted with tap, an image capturing module 4 installed over body 1, module captures images of tap to measure diameter, a communication module integrated within body 1 that establishes link between microcontroller and computing unit, multiple chambers arranged within body 1 and fabricated with valves 7, based upon mode selected valve actuates to mix solution, a pair of filters 6 arranged at second portion of body 1, based upon activity performed by user, one of filter slides via a slider, and an ultraviolet light emitter 8 configured with body 1 to directs ultraviolet light 8 rays over user's hand.

No. of Pages : 16 No. of Claims : 4