

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011049295 A

(19) INDIA

(22) Date of filing of Application :11/11/2020

(43) Publication Date : 13/05/2022

(54) Title of the invention : DOOR OPENING AND CLOSING DEVICE

(51) International classification	:E05B0001000000, G07C0009000000, A61L0002240000, F21V0019000000, B26B0005000000	(71)Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)GOYAL, Ajay
(33) Name of priority country	:NA	2)KANOUNGO, Abhishek
(86) International Application No	:NA	3)CHANDEL, Aditi
Filing Date	:NA	4)SINGH, Gurmohan
(87) International Publication No	: NA	5)MITTAL, Sudesh Kumar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device 100 for opening and closing door is disclosed. The disclosed device 100 includes a housing 102 that accommodates a hooking element 102 and a knob 110 positioned at the hooking element 104 that enables a user to hygienically open the door without touching door handles and also enables the user to operate public keypads without touching the keypad respectively. The housing 102 includes a sanitization unit 106 that facilitates sanitization of the hooking element 104 and the knob 110 after every use automatically. For convenience, a light emitter 108 coupled to the housing 102 which facilitates emission of the light. The device is conveniently carried in pocket or bag, and attachable with a key fob.

No. of Pages : 22 No. of Claims : 10