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(54) Title of the invention : BULB REPLACING DEVICE

(51) International classification	:H01K0003320000, B66C0001420000, B25G0001040000, B67B0007180000, B60L0053350000	(71) <b>Name of Applicant :</b> <b>1)Chandigarh Group of Colleges, Jhanjeri</b> Address of Applicant :State Highway 12A Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
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(57) Abstract :

A bulb replacing device comprising of an elongated telescopic rod 1 with interchangeable slots, wherein the rod 1 extends/retracts for replacing a bulb from a holder, a pair of bulb removing units for gripping and removing the bulb, wherein the units grips damaged bulb and drops in a chamber 2, pick fresh bulb from a container 3 and fix on the holder, an Infrared (IR) sensor for sensing proximity of the rod 1 with the bulb, wherein the microcontroller on processing signals received from the sensor generates a command to halt extension of the rod 1 towards the bulb, a pressure sensor for sensing amount of pressure exerted by the unit to grip the bulb, a secondary telescopic arm 4 configured with screw opener 5 for unscrewing screws fixed on the holder. Ref Figure 1 and 2

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