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(54) Title of the invention : AUTOMATED CHANDELIER CLEANING DEVICE

(51) International classification	:F21S0008060000, B64C0039020000, B08B0005020000, F21V0005060000, B08B0003020000	(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 :

An automated chandelier cleaning device comprising a drone 1 for flying to a designated position of a chandelier to be cleaned, the camera 2 captures images of the chandelier, a microcontroller to actuate movement of a brushing unit 7 according to dust and dirt particles present on the chandelier, a suction unit 6 for drawing out the dust and dirt particles from the chandelier, a pair of robotic arms 9, 10 functionally coupled with a rotating platform 8, the first robotic arm 9 holds the chandelier and the second robotic arm 10 cleans the chandelier, a strain gauge 11 for measuring amount of pressure, a dispensing unit 3 for dispensing cleaning agent on the chandelier, the telescopic rod 4 aids in internal cleaning of the chandelier, and a communication unit for activating plurality of drones present in proximity to the drone 1. Ref Figure 1.

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