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(54) Title of the invention : AUTOMATIC FLOOR CLEANING DEVICE

(51) International classification	:A47L0011400000, G05D0001020000, F24S0040200000, A47L0011300000, B25G0001040000	(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 automatic floor cleaning device, comprising: a rotatable body 1 associated with a telescopic handle 2 configured to move on a floor, wherein the body 1 comprises of, plurality of vacuum suction unit 3 for removing dust particles from the floor, multiple cleaning agent dispensing unit 4 for dispensing the agent on the floor, plurality of blower 5 drying the floor, a cleaning module having a pair of dust cleaning unit 6 and a water wiping unit 7, wherein the dust cleaning unit 6 accumulates the dust particles and the wiping unit 7 wipes the dispensed water, an artificial intelligence (AI) based camera 8 for capturing images of the floor, integrated with a micro projector that projects red and green light, a pair of sliding brushes 9 for cleaning the floor upon rotation of the body 1, and an UV light for emitting radiations to disinfect the foam. Ref Figure 1

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