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| (51) International classification              | :A61B0005021000,<br>G02B0027000000,<br>A61M0005172000,<br>G16H0050200000,<br>F24F0011390000 | (71) <b>Name of Applicant :</b><br><b>1)Chitkara Innovation Incubator Foundation</b><br>Address of Applicant :SCO: 160-161, Sector - 9c, Madhya<br>Marg, Chandigarh- 160009, India. Chandigarh India |
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(57) Abstract :

The present disclosure pertains to a system (100) and a device (102) to facilitate cleaning of a surface. The system (100) includes a device (102) and a controller (104). The device (102) includes an imager (102-1) configured to capture an image of the surface and correspondingly generate a first set of signals and a display (102-2). The controller (104) is communicatively coupled to the device (102) and configured to convert the first set of signals into a second set of signals, where the second set of signals pertain to visual parameters associated with the surface, analyze the visual parameters and extract dirt parameters from the visual parameters and determine an amount of dust and soil from the dirt parameters based on the extracted dirt parameters , and where the device (102) is configured to display the determined amount of the dust and soil on the display (102-2) associated with the device (102).

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