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(71)Name of Applicant :
1)CHITKARA INNOVATION INCUBATOR FOUNDATION
Address of Applicant :SCO: 160-161, SECTOR – 9C,
MADHYA MARG, CHANDIGARH – 160009, INDIA
Chandigarh India
(72)Name of Inventor :
1)Rubina Dutta
2)Sandeep Kumar
3)Ravi Gupta
4)Jasminder Kaur Sandhu
5)Shivani Inder Chopra

(57) Abstract :

Title: SYSTEM AND METHOD FOR DECONTAMINATING ENVIRONMENT BY ROBOTIC DEVICE ABSTRACT A system (100) for decontaminating environment, comprising: a user device (102) comprises a robot controlling application (108), to enable a user to provide an input and a specific area for performing decontamination tasks; and a robotic device (104) comprises: a display unit (120) to display information; and a control unit (134) to: receive the input and the specific area; enable a location tracking unit (116) to track a current position and generate a path for the specific area; actuate a motor (124) to enable a movement of wheels (142a-142d) in one of, a direction; determine the decontamination task; activate a vacuum cleaning device (136) for vacuuming the specific area, when the decontamination task is vacuuming; actuate a sanitizer pump (138) to dispense sanitization solution from a sanitizer container (132), when the decontamination task is sanitizing; and display the information associated with a completion of the decontamination task. Claims: 10; Figures: 5 Figure 1A is selected.

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