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(57) Abstract :
The invention relates to a robotic vacuum cleaner with an integrated exhaust air guidance system (104) to enhance drying of mopped area. The invention incorporates an integrated exhaust guidance system (104) that governs the suction mechanism to instantly dry the mopped area. This dual-functionality-mopping and drying in a single cleaning cycle significantly marks a substantial technical advancement compared to present robotic vacuum cleaners. The invented robotic vacuum cleaner (100) comprising a side brush (101) to sweep debris, an air filter (102) to filter the suctioned air, a fan or suction device (103) to generate the suction force required to remove dust and an exhaust guidance system integrated with the robotic vacuum cleaner (100) to govern and direct the high velocity air from the exhaust of the robotic vacuum cleaner to dry the mopped area. A specially designed duct acting as a self-sustaining governing mechanism helps in governing and directing the high velocity air to the mopped area. Fig. 1

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