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(57) Abstract :

ABSTRACT The present disclosure introduces a remotely controlled smart featured aqua clean chalkboard system 100 which is an advanced cleaning solution designed to automate and enhance the maintenance of chalkboards in educational settings. This system features a remotely controlled water dispenser system 104 that evenly sprays water through water spray nozzle 132 onto the chalkboard 102 to settle chalk dust. A motorized wiper with microfiber cloth 106 then cleans the board, guided by a slider mechanism system 118 for efficient coverage. Excess water and dust are captured in a water collecting tray 108. The system includes a pump for water supply 110, a water storage tank 112, and a water control valve 116 to regulate water flow. Controlled via a remote control 122 and managed by a controller 128, the system offers precise, automated cleaning with minimal manual effort. The inclusion of limit switches 120 and a power supply unit 130 ensures reliable and effective operation. Reference Fig. 1

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