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(57) Abstract :

An automated brush cleaning and maintenance device encompasses a body 1 with a display panel 2 for user input on paint-stained brush cleaning, the body 1 is incorporated with a motorized iris lid 3 to position the brush tip, an imaging unit 4 to gauge brush dimensions, and a container 5 with motorized primary rollers 6 connected by telescopic links, these rollers 6 rotate to move the brush downwards, inside the container 5, motorized secondary rollers 7 with vertical flaps 8 are present, with a pair of cranks 9, powered by a motor, push and pull the flaps 8, rotating the secondary rollers 7. This action presses the brush tip between the secondary rollers 7, effectively removing paint from bristles, multiple electronically controlled nozzles 10 dispense high-pressure water onto the secondary rollers 7 while dragging the bristles, aiding in paint removal, ensuring complete paint stain removal from the brush.

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