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(57) Abstract :
An automated drainage pipes cleaning device comprises of a platform 1 having a first and second portion 2, 3 installed with multiple omnidirectional wheels 4 for maneuvering platform 1 in close proximity to sink, a touch interactive display panel 5 for inputting commands regarding location of a drainage outlet of sink, an artificial intelligence-based imaging module 6 for detecting dimensions of a cap, multiple telescopically operated pins 7 for pulling out cap from sink, a laser projecting unit 8 for determining amount of dirt accumulated in outlet, an ECV (electronic control valve) 9 for dispensing a cleaning agent within outlet to liquefy dirt, an extendable rod 12 attached with a coiled wire 13 for inserting wire 13 within outlet to remove dirt from outlet and a pair of suction cups 14 connected to a waste collection chamber 15 for extracting dirt and store within chamber 15.

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