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(57) Abstract :

The present invention relates to an automated cleaning and maintenance device for chillers, comprises of a housing 1 placed on a ground surface, plurality of omnidirectional wheels 2 attached with housing 1 for provides a motion to the housing 1, an artificial intelligence-based imaging module 7 installed on the housing 1 for detecting location of condenser in vicinity of housing 1, a touch interactive display panel 4 used to input commands, a pair of chambers 3 in the housing 1 used to store water and cleaning agent, an ECV (Electronic Control Valve) 5 is configured with each container 10 for dispensing water and solution respectively, an electronic control nozzle 9 connected with the container 10 for dispensing the solution, an artificial intelligence imaging module 7 is synchronized with an ultrasonic sensor installed on the body for determining bends and distance between the fins of the condensers.

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