

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311086990 A

(19) INDIA

(22) Date of filing of Application :19/12/2023

(43) Publication Date : 19/01/2024

(54) Title of the invention : AIR CONDITIONER REPAIRING DEVICE

(51) International classification :A47L0009040000, G05B0019418000, G01N0035000000, A47L0011400000, F24F0013300000

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :

An air conditioner repairing device, comprising a platform 1 positioned by a user on a rear portion of an air conditioner, multiple suction cups 2 affixes with the rear portion, an artificial intelligence based imaging unit 3 for detecting presence of a safety grid on the rear portion, a first robotic link 4 configured with a motorized screw drivers 5 for unfastening the grid, a dust sensor for detecting presence of dust particles on the air conditioner's fins, a vacuum based cleaning unit 6 for cleaning the dust particles, a chamber 7 for collecting the dust particles, a container 8 for storing water, an electronic nozzle 9 for dispensing the water to clean the fins, a laser sensor for detecting deformation of the fins and a second robotic link 10 configured with a member 11 having multiple tines for repairing the deformed fins.

No. of Pages : 15 No. of Claims : 3