(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/11/2022

(21) Application No.202211064782 A
(43) Publication Date : 25/11/2022

(54) Title of the invention : AUTOMATED VEHICLE COMPRESSOR MAINTENANCE DEVICE

(51) International classification :B60H0001320000, F04B0027080000, B25J0009160000, G01B0005060000, G05D0001020000
(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

(71)**Name of Applicant :**
1)Jaipur National University
Address of Applicant :Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. Kapilesh Jadhav
Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----------
2)Dr. Rajeev Mathur
Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----------
3)J.N. Mathur
Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----------
4)Dr. Avdesh Singh Pundir
Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----------

(57) Abstract :
The present invention relates to an automated vehicle compressor maintenance device comprising a housing 1 crafted with an inlet 2 that is used by user to place compressor 25, a display panel 3 mapped over housing accessed by the user to input commands regarding type of compressor 25 needs to be maintained, an imaging module 4 to detect the dimension of the compressor 25, a pair of robotic arms 5 to place the compressor 25 over platform 6 and mount the belt 8 over pulley 28 of compressor 25, a tachometer 9 to test RPM of bearing 27 of compressor 25, a pulley extractor 10 to extract the pulley 28, a robotic gripper 11 to insert feeler gauge 12 to measure thickness of clearance of compressor 25 and a current tester to detect current of magneto 29 of the compressor 25.

No. of Pages : 18 No. of Claims : 10