

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211064886 A

(19) INDIA

(22) Date of filing of Application :12/11/2022

(43) Publication Date : 02/12/2022

(54) Title of the invention : ELECTRIC WIRE MAINTENANCE DEVICE

(51) International classification :G01L0001240000, H02G0001000000, B21F0011000000, H02G0001020000, B25F0001000000

(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. Deepika Chauhan

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 :

An electric wire maintenance device, comprises of a pair of jaws 1 to accommodate electric wire, a pair of handles 2 are pivoted with the jaws 1 to provide movement to jaws 1, a tactile sensor 3 installed on jaws 1 for detecting material of wire, a sliding arrangement 4 configured with telescopic pins 5 assembled on jaws 1 for gripping wire, a chamber 6 attached with handle 2 to place wire as detected by an imaging unit installed on handle 2, a telescopic rod 7 configured with cutting blade 8, arranged within chamber 6 for cutting wire, a multi-section container 9 arranged on the handle 2 for storing different couplers, a telescopic pusher 10 arranged within each section of container 9 to aid user to place an end portion of wire within coupler, a telescopically operated pole 11 arranged within each of section for affixing wire within coupler.

No. of Pages : 17 No. of Claims : 5

Registrar
Jaipur National University