

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211064156 A

(19) INDIA

(22) Date of filing of Application :10/11/2022

(43) Publication Date : 25/11/2022

(54) Title of the invention : AUTOMATIC PENCIL SHARPENING DEVICE

(51) International classification :G06F0003041000, G01F0001580000, F16D0065140000, B43L0023000000, B43L0023020000

(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. Pranati

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. Sunita Ojha

Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur -----

3)Dr. Sunita Rao

Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, near New RTO office, Jagatpura, Jaipur, Rajasthan 302017, India. Jaipur -----

4)Dr. Vikrant Sharma

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 automatic pencil sharpening device comprises a platform 1 to be placed above the surface, a set of supporting bars 2 to position a rod 3, a disc 4 to enable the controlled motion over the rod 3, a rough surface 6 to sharpen the lead of the pencil, a laser measurement sensor to detect the dimension of the pencil, a motorized iris lid 7 to grip a body of the pencil, a motorized slider 8 to translate the disc 4 in to and fro direction, a circular slider 9 to enable rotation of the lid 7, a set of motorized rollers 10 to transform the length of the pencil, a touch interactive display panel 11 to input the desired level of sharpness of the pencil and a magneto-inductive displacement sensor to detect the sharpness of the pencil lead.

No. of Pages : 14 No. of Claims : 7

Registrar
Jaipur National University