

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/02/2024

(21) Application No.202421008975 A

(43) Publication Date : 15/03/2024

(54) Title of the invention : A SYSTEM AND A METHOD FOR TABLET DIMENSION ASSESSMENT

(51) International classification :G06F0001160000, A61K0009200000, G01N0003420000, G06F0003048170, G16H0040670000

(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)Shri Ramdeobaba College of Engineering and Management

Address of Applicant :Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur-440013, Maharashtra, India Nagpur -----

2)JOSHI, Poorvi K

3)GANGANE, P.S.

4)YADAV, Vishal

5)TIWARI, Piyush

6)KAMBHALE, Animesh

7)LOHAR, Rishabh

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)JOSHI, Poorvi K

Address of Applicant :Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur-440013, Maharashtra, India.

Nagpur -----

2)GANGANE, P.S.

Address of Applicant :Dadasaheb Balpande College of Pharmacy. Nagpur - 440037, Maharashtra, India. Nagpur -----

3)YADAV, Vishal

Address of Applicant :Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur-440013, Maharashtra, India.

Nagpur -----

4)TIWARI, Piyush

Address of Applicant :Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur-440013, Maharashtra, India.

Nagpur -----

5)KAMBHALE, Animesh

Address of Applicant :Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur-440013, Maharashtra, India.

Nagpur -----

6)LOHAR, Rishabh

Address of Applicant :Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur-440013, Maharashtra, India.

Nagpur -----

(57) Abstract :

Abstract Title: A System and a Method for Tablet Dimension Assessment The present invention relates to a system (100) and a method (200) for tablet dimension assessment. The system includes an arm-mounted force application system (50), a load cell (60), a microcontroller unit (90), a pair of calibrated potentiometers (10,20), a plurality of resistors (40), a display unit (85) and a user interface module (95). The arm-mounted force application system (50) is for applying controlled force on a tablet (10) for testing the hardness of the tablet (10). The load cell (60) is for measuring the force applied on the tablet. The pair of calibrated potentiometers (10,20) measure the diameter and the thickness of the tablet (10). The system (100) displays the real-time data regarding the force, diameter and thickness of the tablet (10) on the display unit (85). Figure 1

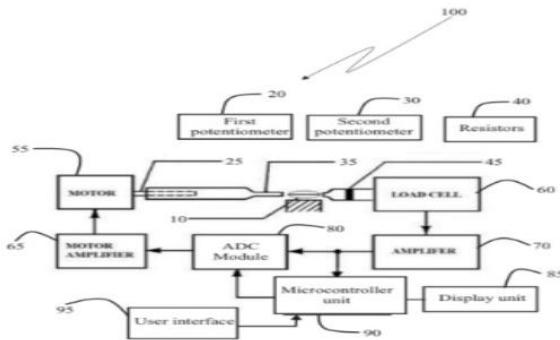


Figure 1

No. of Pages : 22 No. of Claims : 6