

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202511043312 A

(19) INDIA

(22) Date of filing of Application :05/05/2025

(43) Publication Date : 23/05/2025

(54) Title of the invention : A HAPTIC FEEDBACK-ENABLED BROWSER PLUGIN FOR VISUALLY IMPAIRED USERS

(51) International classification :G06F0003010000, G09B0021000000, G06F0003160000, G02B0027010000, G06N0020000000

(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)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY
 Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. -----
Name of Applicant : NA
Address of Applicant : NA

(72)**Name of Inventor :**
1)Dr. ANIL K AHLAWAT
 Address of Applicant :Department of Computer Science & Engineering, Noida Institute of Engineering & Technology, Greater Noida. Greater Noida ----- ----

(57) Abstract :
 A haptic feedback-enabled browser plugin (101) for visually impaired users (103) is disclosed. The plugin (101) scans web content (104) elements like links (105), buttons (106), and text fields (107), providing real-time tactile feedback via a connected haptic device (102). It includes a calibration module (110), a configuration panel (111), and machine learning adjustment (121) for personalized accessibility enhancement.

No. of Pages : 14 No. of Claims : 5