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(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)STEVEN DAVID**

Address of Applicant :Department of Master of Computer Applications, Noida Institute of Engineering & Technology, Greater Noida. Greater Noida -----

(57) Abstract :

A wearable math formula memory assistant (101) comprises a microcontroller (102), vibration motor (103), and audio module (104), integrated within a flexible band. The device delivers tactile and auditory cues to assist users in memorizing mathematical formulas. It synchronizes with a mobile application via a wireless module (105), enabling personalized scheduling and content updates. Tactile pulses identify formula types while audio hints reinforce structure, aiding inclusive, multisensory learning. Gesture control (106) facilitates user interaction without screens, promoting discreet, real-time memory support.

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