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(57) Abstract :

The invention discloses an E-Braille trainee device comprising of a keyboard input module, an audio output module and a processor module for training and practicing of Braille code. The Braille training device further comprises a training mode in which the user can self-learn Braille by pressing a switch on keypad and hearing the pronunciation and the Braille representation code of the entered alphabet, number and thereof and a practice mode in which the user can get feedback from the device for correcting the learned Braille code. The invention provides an intelligent Braille learning device with which the visually impaired people can not only learn Braille code, but can also hear the standard pronunciation, more importantly, the self-test/ practice mode makes learning Braille easy, enabling the visually impaired people to learn Braille in a very short period of time and without any assistance.

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(54) Title of the invention : MULTIPURPOSE BRAILLE E-TYPE WRITER HEAD

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(57) Abstract :

A multipurpose Braille E-typewriter head for printing Braille script and images is disclosed. The imprinting is accomplished using an imprinting head having plurality of punching pins connected to the shafts actuated by means of micro-motors. The positioning of the imprinting head is controlled by means of a positioning motor. The Braille head angular to linear motion may be controlled by a positioning motor to obtain standard spacing between the dots of Braille code and images. The invention is used for multiple purposes like for printing Braille code, images and thereof.

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