

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7034/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :29/12/2015

(43) Publication Date : 25/03/2016

(54) Title of the invention : E-BRAILLE TRAINEE DEVICE

(51) International classification	:G09B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Vishnu Institute of Technology
(32) Priority Date	:NA	Address of Applicant :Vishnupur, Bhimavarm, West Godavari
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(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(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.

No. of Pages : 20 No. of Claims : 8

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Patent Search

Invention Title	E-BRAILLE TRAINEE DEVICE
Publication Number	13/2016
Publication Date	25/03/2016
Publication Type	INA
Application Number	7034/CHE/2015
Application Filing Date	29/12/2015
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G09B

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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 I 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 a 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 without any assistance.

Complete Specification

Claims:1. An E-Braille trainee device operating method for learning and practicing of Braille code, comprises:

Training of Braille code to the user in a training mode through provision of an audio output;

An audio output pronouncing the Braille language and the respective Braille code;

Practicing of Braille language by the user in a practice mode to self-assess the learned Braille code by entering and receiving feedback from the device if the entered Braille code is correct through an audio correction output; and

Entering of commands in a special command mode to record and playback audio clips.

2. E-Braille trainee device for learning and practicing Braille code according to claim 1, wherein said training mode comprises a user pressing a switch on the keypad and an audio output pronouncing the respective Braille alphabet, number, letter and thereof and the respective Braille code for the respective alphabet, number, letter and thereof entered by the user for easy hearing, recognising and learning of the Braille code.

3. E-Braille trainee device for learning and practicing Braille code according to claim 1, wherein said Braille language can include alphabet, numbers and thereof.

4. A Braille trainee device for learning and practicing Braille code according to claim 1, wherein said practice mode comprises of a microcontroller checking the Braille code input by the user and enabling the user know the entered key input is correct or wrong through a voice output.

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Page last updated on: 26/06/2019