

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5787/CHE/2015 A

(19) INDIA

(22) Date of filing of Application :28/10/2015

(43) Publication Date : 26/05/2017

(54) Title of the invention : HAND FINGER OPERATED SYSTEM FOR SOUND PRODUCTION OF CHARACTERS IN LANGUAGES USEFUL FOR SPEECH DISABLED PERSON

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Filing Date	:NA	3)DR.M.MURUGAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention is useful for creating sounds of characters on a language. This device can be customized for operation in any language. The device is operated with figure actions. Every single or combination of finger movement is set to enable single or combination of switches. These switched are coded with required character sounds on the microcontroller. The microcontroller will further produce character equivalent signals appropriate to the figure movement with the use of switches. These switches translate finger movements into suitable electrical signals. These electric signals will be decoded for equivalent character of the language. The electrical signal will be driven to a speaker to produce the sound subsequently. So sound of any character of a language can be generated with suitable finger movement. By continuous expression of finger movements characters will be pronounced one by one. This device shall be used by persons with speech disability to communicate with others with easy effort. This device is small, low cost and can be operated with less effort by the user. FIG.

No. of Pages : 7 No. of Claims : 4