



Patent for Industrial Invention

# *The best applications of Yufhufhu!*

What can you do with this invention? Here are the six main devices which can be made with the invention Yufhufhu!



*The experimental  
prototype.*

The invention has been applied to the handmade keyboard with 5 keys that light up 31 LED associated with as many alphabetic letters. After the pronunciation of 31 Verbal phono, At the prototype was connected a A/D converter loaded with 31 audio files \*.mp3. Lately they have been playing 31 musical notes, by connecting to prototype a little electric piano ([video](#)).

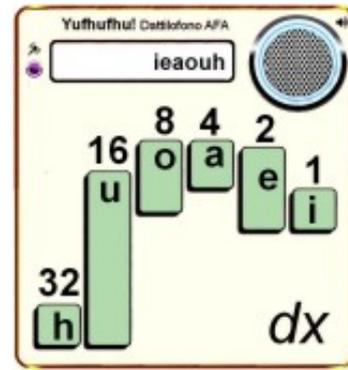


Video: <http://www.venetieventi.it/yufhufhu/yufhufhu.htm>

# The "Communicator of the deaf"

The "Communicator of the deaf" is a radio transmitter and receiver of verbal phonemes made in two versions: 1) Keyboard for the desktop and 2) Appliance to wear like a glove.

With these devices the deaf "pronunciation" phonemes by pressing the 6 key on the keyboard, or by moving the 6 terminals connected to the fingers of the hand wearing the glove, and Together he "hears" who speaks by following his fingers beatings or vibrate to relay in the same combinations that he uses to "talk".



## The glove toy ...

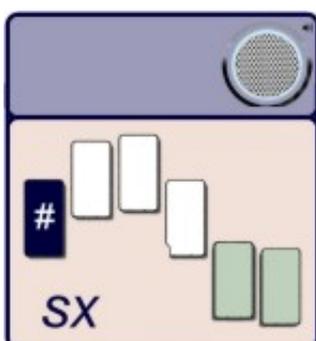
Glove made in the form of puppet to do speak, children as the ventriloquist's dummy. Useful mechanism for bringing together the deaf with normal people.



## The musical keyboard

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The experimental prototype has 5 keys that play 31 musical notes, but in the patent there is a keyboard monaural music professional with 7 keys (3 +4), playing 98 notes, i.e., eight chromatic octaves + 2 other notes (98 sounds in 127 combinations).



There are also other electric pianos such as a keyboard for children with 4 and 5 keys, i.e. 1 and 2 chromatic octaves to play with the 5 fingers of one hand, and the more complex version with 6 buttons to play 4 chromatic octaves, even this to play with one hand.

## *The keyboard for the blind ...*

The PC keyboard for the blind and at the same time graphics and phonics, and with only 8 keys we have 255 functions.

If 255 functions are few you can use the keyboard with 9 keys that we have well 511 signals.



## *Calculators for the blind*

...

The calculators of the blind are similar to the "Communicator of the deaf" but these they pronounce the numbers. Versions assume are two: the calculator minimum to 5 keys to 31 functions and the scientific calculator 6 keys to 63 functions or to 7 keys to 127 functions.



## *The mouse ...*

Versions of mouse assumptions are with 4 keys for 15 features more the wheel and with 5 keys to 31 functions.

# *As press the keys ...*

The keys of the keyboard equipped with said invention are pressed either alone or in all their combinations without the obligation to respect the order of the buttons are pressed.

Each finger is always on the same key, this feature allows you to arrange the keys in ergonomic positions making it easier to typing.

The typing of combinatorial keys requires the storage of symbols and sounds associated with the combinations.

Both the invention that the "dattilophonics diagrams and typed transcriptions" ([The alphabet chosen](#)) processed to facilitate typing, are not yet disclosed for reasons of confidentiality.

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<http://www.venetieventi.it/yufhufhu/yufhufhu.htm>

## ***Yufhufhu! The keyboard that speaks***

(...) This new keyboard is not however born to replace the current keyboards, although in some cases may agree, but in order to meet particular needs. The characteristic of match with each finger one key is needed when you need to have constantly at hand specific apparatus, perhaps linked to the wrist as the "communicator of the deaf", or when you cannot jump easily from one key to another as in the case of the blind.

Existing State of the art. From an in-depth research on ( ... ) and keyboards has not appeared any similar product or vaguely resembling this new (invention) and, consequently, nor are there any useful appliances to simplify the lives of users just mentioned, to which the invention is primarily intended. This invention was born in fact, looking at the incomprehensible mimicry communicative of the deaf and thinking what to do to make them interact with all the people in verbal mode. The research was focused on how to enter the many phonemes linguistic with the fingers of one hand, and so was born the need to exploit the combinations typing skills. The result was a mechanism to match a glove, or attach to your wrist as a watch with terminals connected to the fingers, so that it speaks to them simply handling it, without the need to watch it. From the inspiration of the glove for the deaf sprang up, then, other devices, just as non-existent and as important as: 1) a glove made in the form of puppet to do speak, children as the ventriloquist's dummy. Useful mechanism for bringing together the deaf with normal people. 2) Keyboard to write for the blind with 8 keys (255 signals) or 9 keys (511 s.), with emission phonic and graphics of the symbols. 3) Standard Calculator 5 keys (31 signals), scientific to 6 or 7 keys (63 or 127 s.), even these utilities dedicated mainly to the blind. 4) Musical Keyboards for everyone from 4 keys with 15 signals for 15 notes, 5 k. with 31 S. for 30 n., 6 k. with 63 s., for 60 n., these three keyboards are to play with one hand, and a keyboard with 7 buttons (127 s. 120 n.) to play with two hands. 5) Mouse with 4 keys (15s) but more wheel, or 5 k. (31S). ( ... )