

Prevalent Devices LLC announces issuance of Patent for the Phraze-It® Finger-Vowel Texting Method for Texting with One Hand Utilizing Electronic Gloves.

February 10, 2008 Prevalent Devices LLC, a leading innovator in creating user interfaces and text input technologies announced a patent has been awarded for a novel one-handed digital method of communicating information using only six simple gestures. The Phraze-It® Finger-Vowel Texting Method for texting with one hand is easy to learn and retain, and simple to perform.

Six Easy Gestures

Five of the gestures consist respectively of bending any of the thumb or fingers toward the palm. The sixth gesture is bending a plurality of fingers toward the palm. With these six gestures any word in the English language can be texted with one hand.

System and Order of the Alphabet

The Phraze-It® Finger-Vowel Texting Method utilizes the finding that in the alphabet each of the vowels is followed by no more than five consonants. Or, put another way, no vowel has more than five consonants separating it from the next vowel that follows it in the alphabet. This digital method utilizes a logic and order that is already familiar to users. Vowel “A” is followed by B, C and D. Vowel “E” is followed by F, G and H. Vowel “I” is followed by J, K, L, M and N. Vowel “O” is followed by P, Q, R, S, and T; and vowel “U” is followed by V, W, X, Y and Z.

Predictable System and Order is Easy to Learn and Retain

The Phraze-It® Finger-Vowel Texting Method is easy to learn and retain, and simple to perform. Based upon a predictable order and system that enables users to associate each letter of the alphabet with their fingers, it takes only 2 gestures to text any vowel or consonant in the English language.

To text a vowel, for the first gesture, the user bends the thumb for the “A”, the index finger for the “E”, the middle finger for the “I”, the ring finger for the “O” or the small finger for the “U”, followed by a second gesture of bending a plurality of fingers (called the common gesture).

To fingerspell a consonant, the user’s first gesture is to bend the finger associated with the vowel that precedes the consonant in the alphabet. The second gesture is to bend the finger associated in alphabetical order with the desired consonant. For instance, a user bends the thumb toward the palm in the first gesture to indicate the “A” set (B, C and D), when the second gesture is bending the thumb, a “B” is communicated; when the second gesture is bending the index finger, a “C” is communicated and when the second gesture is bending a middle finger, the “D” is communicated.

For example the letter “P” is formed by bending the “O” vowel (ring finger) and then bending the thumb. The letter Q is formed by bending the “O” vowel (ring finger) and then bending the index finger. Similarly the letter “R” is formed by bending the “O” vowel (ring finger) and then bending the middle finger.

Finger-Vowel Texting Words Utilizing One-Hand

Texting the word “**sports**” for example is performed simply with the following sequence: O>S (ring finger – ring finger), O>P (ring finger – thumb), O>O (ring finger - common gesture), O>R (ring finger – middle finger), O>T (ring finger and small finger), O>S (ring finger – ring finger).

Texting the work “**milk**”, requires the following easy to perform sequence: I>M (middle finger - ring finger), I>I (middle finger – common gesture), I>L (middle finger – middle finger), and I>K middle finger – index finger).

Uses

Uses for the Phraze-It® Finger Vowel Texting Method include one-handed communication/text input with electronic gloves, virtual reality gestural interfaces, accessibility/assistive technology for people who are severely impaired by injury, disease, stroke or debilitating conditions and communication method for deafblind people. The method is also suitable for teaching set theory and for aiding persons with memory loss. Additionally, because the finger-vowel method is easy to learn, retain and perform, it is hoped that The Phraze-It® Finger-Vowel Texting Method is adopted to encourage hearing people to learn more about communicating with deaf people. The Phraze-It® Finger-Vowel Texting Method eliminates the need to learn and perform a large number of ambiguous and difficult to form hand signals required of ASL and BSL fingerspelling methods. Research is required to confirm in which areas the finger-vowel texting method will be most useful and therefore Prevalent Devices LLC is actively seeking to cooperate with researchers.

Related Methods and Technologies

The Phraze-It Finger-Vowel Texting Method is related to a number of patented user interfaces for handheld devices. Prevalent Devices also offers the Phraze-It® Keyboard 2.0, an easy to use touch screen keyboard for touch screen phones and PDAs. Featuring large, on-screen keys for typing with the fingertips of fingers or thumbs directly on the screen, the Phraze-It® Keyboard enables typing in full sentences including punctuation for accurately, efficiently and comfortably creating complete emails, text messages, and documents. The software for the patented Phraze-It® Keyboard creates a full computer keyboard comprised of only 15 large keys on the screen of touch screen phones and PDAs utilizing the patented Phraze-It® method.

More information about the Phraze-It® Finger-Vowel Texting Method is available on our website www.prevalentdevices.com ; or to contact us, please write to management@prevalentdevices.com. A white paper is available on the website: [http://www.prevalentdevices.com/pdf/1-25-08FingerVowelWhitepaperfnl\[2\].pdf](http://www.prevalentdevices.com/pdf/1-25-08FingerVowelWhitepaperfnl[2].pdf)

Phraze-It® Finger Vowel Texting Method

First Gesture:



A
Set



E
Set



I
Set



O
Set



U
Set

Second Gesture:



First
Consonant



Second
Consonant



Third
Consonant



Fourth
Consonant



Fifth
Consonant



Common
Gesture For
Vowels

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