Claims

1. A Chinese character input method, wherein:

Firstly, encode Chinese characters and establish a Chinese character encoding table, the encoding method comprises following steps:

Decompose the Chinese characters or words needing to be input into one or more font section(s) based on the decomposition rules, wherein each of said font sections comprises: at least one basic character; and

Based on the code selection rules, respectively select a corresponding character code to represent each of said font sections according to said basic characters contained therein; and

Based on the encoding rules, combine the selected corresponding character codes into character code combinations, to represent said Chinese characters or words needing to be input;

Wherein, said font section comprises: based on said decomposition rules, said Chinese characters needing to be input or several Chinese characters of said words needing to be input that do not need to decompose or cannot decompose;

Wherein, said word comprises: respectively combined by two or more Chinese characters;

Then, receive the input code combination that input by keyboard, match the input code combination with said character code combination that representing each Chinese character or word in the Chinese character encoding table; and

Finally, display the Chinese characters or words that represented by said input code combination;

wherein, for the keys/options representing different corresponding character codes, their configurations on said keyboard will be arranged according to code selection priority level of corresponding letter feature of said corresponding character codes;

wherein, said basic character comprises: 4-side character, 3-side character, 2-side character and 1-side character that defined by the number of sides, 1-stroke character, 2-stroke character, 3-stroke character and 4 stroke character that defined by the number of strokes, and intersecting character that only comprising two intersecting lines; wherein the different rules of stroke structure of the same

said basic character or/and other than said basic character, represent as additional descriptions of said basic character;

wherein, said 4-side character comprises: the character roughly displayed as a square "口"; said 3-side character comprises: the character that any one side of the square "口" is missing; said 2-side character comprises: the character that any one side of the 3-side character is missing, comprising the character roughly having one angle of square or rhombus, the character having an acute angle or an hook shape, wherein said square angle, rhombus angle, acute angle and hook shape represent as additional descriptions of said 2-side character;

wherein, said 1-stroke character, 2-stroke character, 3-stroke character and 4-stroke character comprise: the horizontal, vertical, slant and/or dot stroke, having 1-4 stroke(s) that do not intersect with each other, link together, and do not intersect with other strokes at all or all intersect with one or more other strokes; wherein said horizontal, vertical, slant and dot represent as additional descriptions of said 1-4 stroke characters; wherein a horizontal, a vertical and a slant stroke of said 1-stroke character are equivalent to said 1-side character;

wherein, a said basic character or a basic character with additional description is represented by a letter feature; wherein the same basic character with different descriptions are represented by different letter features;

wherein, said letter feature is classified into ten groups, the basic character that represented by each said letter feature in the same group having the same number of sides or/and strokes;

wherein, said letter features in each group will be represented by one or more said corresponding character code(s) in different modes; wherein, in comparison with the mode having relatively less said corresponding character codes, the same basic character has relatively more additional descriptions in the mode having relatively more said corresponding character codes, so that increase the number of letter features in the letter feature group to which it belongs and meet the needs of this mode;

wherein said letter features in each group match with one said code selection priority level from low to high marks; wherein, the more number of sides or/and strokes of said basic character that represented by said letter features in each group, the higher the code selection priority level will be;

wherein, said code selection rules comprise: comparing the code selection priority level of letter feature to which each basic character in said font section belongs, wherein the corresponding character code to which one of said letter features of the highest level belongs is selected to represent said font section;

wherein, said decomposition rules of Chinese character are classified into: 2-code mode, general mode, half-element mode and over half-element mode; said modes of decomposition rules further comprise word mode; wherein said modes of decomposition rules comprise: when each of said font sections comprises more than one basic character, and needs to be decomposed into two relatively smaller font sections according to the regulations of said mode of decomposition rules, then decompose said font section into two relatively smaller font sections based on decomposition method; and repeat until finishing the specified steps of said mode of decomposition rules; when said font section needing to be decomposed has only one basic character that cannot be decomposed any more, then ignore said step;

Wherein said decomposition method comprises: Preference is given to decompose the font section needing to be decomposed into two font sections that each containing a Chinese character, a radical or a common character, or/and decompose into two font sections with similar size or square shape, or/and decompose into two font sections that less strokes contacting or overlapping with each other in the original font section;

Wherein, the decomposition steps specified in said 2-code mode comprise: decompose the Chinese character needing to be input into two font sections based on said decomposition method;

Wherein, the decomposition steps specified in said general mode comprise: decompose the Chinese character needing to be input into two font sections based on said decomposition method, then further decompose each of acquired font sections into two smaller font sections respectively based on said decomposition method;

Wherein, the decomposition steps specified in said half-element mode comprise: decompose the Chinese character needing to be input into two font sections based on said decomposition method; when one of two acquired font sections is half-element character and said half-element character locates in specified

position in the Chinese character needing to be input, then further decompose another font section outside said half-element character into no more than three font sections based on specified decomposition steps of the section outside half-element character;

Wherein, the decomposition steps specified in said over half-element mode comprise: decompose the Chinese character needing to be input into two font sections based on said decomposition method; when one of two acquired font sections is over half-element character and said over half-element character locates in specified position in the Chinese character needing to be input, then further decompose said over half-element character into two smaller font sections based on said decomposition method; and further decompose another font section outside said over half-element character into no more than three smaller font sections based on specified decomposition steps of the section outside said half-element character;

Wherein, the decomposition steps specified in said section outside half-element character comprise: decompose said another font section outside half-element character or over half-element character into two smaller font sections based on said decomposition method; in two acquired smaller font sections, when the one with first writing stroke order is also a half-element character or only comprises a basic character, then further decompose the one with latter writing stroke order into two smaller font sections based on said decomposition method; and when said one with first writing stroke order is not a half-element character or said one with latter writing stroke order only comprises a basic character, then further decompose said one with first writing stroke order into two smaller font sections based on said decomposition method;

Wherein, the decomposition steps specified in said section outside half-element character further comprise: further decompose said another font section outside half-element character or over half-element character into two smaller font sections based on said decomposition method; and further decompose each of acquired font sections into two smaller font sections respectively based on said decomposition method; and when more than three font sections acquired from above steps, then compare the code selection priority level corresponding to corresponding character code for each of the font sections acquired from above

steps, remove one said font section which has lowest priority level of code selection and the writing stroke order of its corresponding basic character is latter, will not be used as said font section for encoding.

2. The Chinese character input method of Claim 1, wherein said encoding rules comprise: each of said corresponding character codes in said character code combination is arranged according to writing stroke order of its corresponding basic character.
3. The Chinese character input method of Claim 1, wherein said half-element character and over half-element character are the most frequently occurring radicals or component characters in Chinese characters, and the characters which are similar to them;

   Wherein said specified position of half-element character and over half-element character is where said half-element character most frequently occurring in Chinese characters.
4. The Chinese character input method of Claim 1, wherein the decomposition steps specified in said word mode comprise:

   When it is a 2-character word needing to be input, decompose the first and second character of said 2-character word into two font sections respectively based on said decomposition method;

   When it is a 3-character word needing to be input, decompose the first character of said 3-character word into two font sections based on said decomposition method, and use the second and third character of said 3-character word to act as a font section respectively without decomposition;

   When the word needing to be input comprises more than three characters, use the first, second, third and last character of said word to act as a font section respectively without decomposition, the other characters will not be used as said font section for encoding.
5. The Chinese character input method of Claim 1, wherein said Chinese characters displayed matching with said input code combination comprise: When need to display several Chinese characters in said record that partially matching with said input code combination, the arrangement order of said each Chinese character is displayed from low to high according to code selection priority level for the letter

features represented by the corresponding character codes in character code combination encoded in said each Chinese character.