

ABSTRACT OF THE DISCLOSURE

ON-LINE HANDWRITTEN CHINESE CHARACTER RECOGNITION APPARATUS

An on-line handwritten Chinese character recognition apparatus based on character shapes uses a reference file for look-up of compressed codes-sequence codes in a conventional input method founded on dismantling by character shapes as reference when comparing character to reduce the number of matching templates required in the on-line handwritten Chinese character recognition system and to lower the time for matching. Input handwritten Chinese characters are dismantled into constituting radicals. Thereafter, with reference to code retrieving rules of the input method, and based on the character composing method of handwritten characters, radicals for comparison are retrieved. Then, the compression formula of the input method is used to compress the codes of the base radicals, and the compressed codes are compared with contents of the input method reference file to obtain the sequence codes of candidate characters. Finally, the final recognized sequence code is decided via further comparison during post-processing. The character that corresponds to the sequence code in a character font file is the recognition result and is outputted.

Fig. 1