CHARACTER RECOGNIZING AND TRANSLATING SYSTEM AND VOICE RECOGNIZING AND TRANSLATING SYSTEM

ABSTRACT OF THE DISCLOSURE

In a character recognizing and translating system, a study system is provided with a character data base; a character shape analysis unit for analyzing the shape of a character; and a mask learning unit for generating sample mask data; and a recognition system is provided with a collating unit for collating the character data with the sample mask data. In a voice recognizing and translating system, a study system is provided with a sound data base; a sound analysis unit for extracting the features of the voice; and a model learning unit for creating an acoustic model, and a recognition system is provided with an acoustic model storing unit; a second sound analysis unit for extracting the feature of the voice from the voice data of a newly input voice, and a voice collating unit for collating the voice data with the data of the acoustic models.

FIGURE 1