

ABSTRACT

A data processing system and method for a speech recognition model, a speech recognition method, a computing device and a readable storage medium. The system includes a cloud-side device 202 and an end-side device 201. The cloud-side device is configured to
5 encode, by using an encoder, sample speech data to obtain a speech feature of the sample speech data, where the encoder is pre-trained based on performing a Chinese pronunciation unit predicting task on pre-training speech data; input the speech feature into a decoder to obtain predicted Chinese text, where the decoder is pre-trained based on performing a text prediction task on a pre-training Chinese pronunciation unit; pre-train a model including the
10 encoder and the decoder based on the predicted Chinese text and sample Chinese text, and in a case where a pre-training stop condition is met, acquire a model parameter of a speech recognition model obtained by pre-training; send the model parameter of the speech recognition model to the end-side device 201.

15 Fig. 2