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(54) SPEECH RECOGNITION APPARATUS, SPEECH RECOGNITION METHOD, AND RECORDING MEDIUM

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ABSTRACT (57)

In order to prevent degradation of speech recognition accuracy due to an unknown word, a dictionary database has stored therein a word dictionary in which are stored, in addition to words for the objects of speech recognition, suffixes, which are sound elements and a sound element sequence, which form the unknown word, for classifying the unknown word by the part of speech thereof. Based on such a word dictionary, a matching section connects the acoustic models of an sound model database, and calculates the score using the series of features output by a feature extraction section on the basis of the connected acoustic model. Then, the matching section selects a series of the words, which represents the speech recognition result, on the basis of the score.

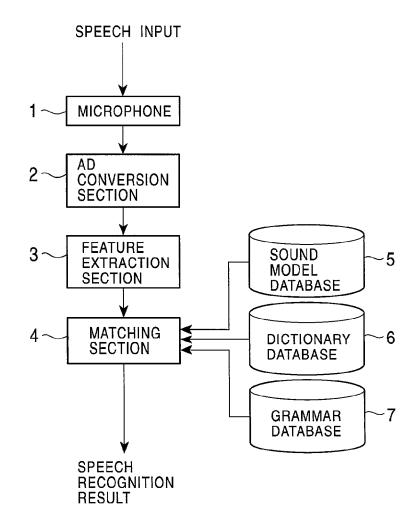




FIG. 1

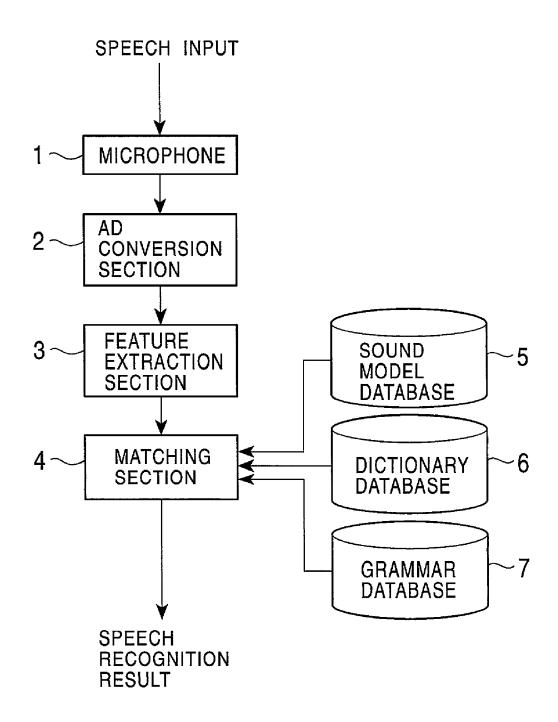


FIG. 2

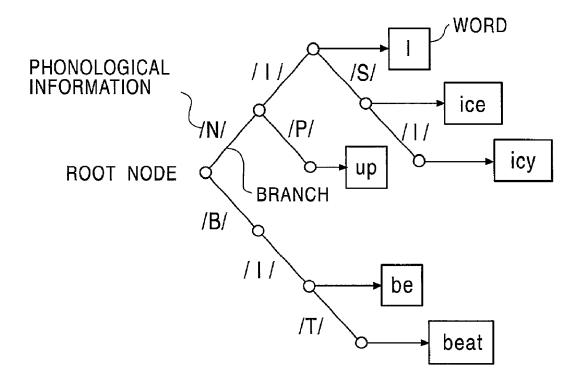
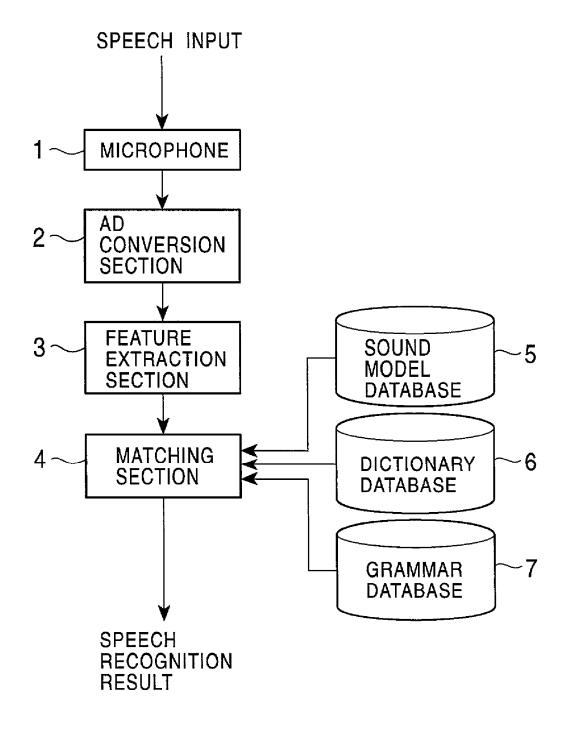
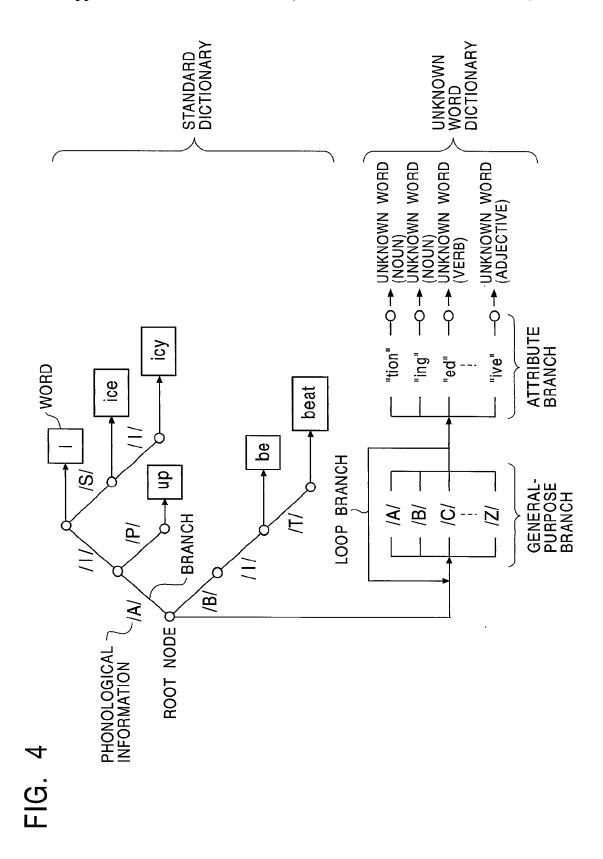


FIG. 3







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