

KARAOKE APPARATUS DETECTING REGISTER OF LIVE VOCAL TO TUNE HARMONY VOCAL

ABSTRACT

A karaoke apparatus is constructed to perform a karaoke accompaniment part and a karaoke harmony part for accompanying a live vocal part. A pickup device collects a singing voice of the live vocal part. A detector device analyzes the collected singing voice to detect a musical register thereof at which the live vocal part is actually performed. A harmony generator device generates a harmony voice of the karaoke harmony part according to the detected musical register so that the karaoke harmony part is made consonant with the live vocal part. A tone generator device generates an instrumental tone of the karaoke accompaniment part in parallel to the karaoke harmony part. (Figure 5)