

Chorus Effector with Natural Fluctuation Imported from Singing Voice

ABSTRACT

A chorus apparatus is constructed for creating a chorus sound to accompany a vocal sound which is sung by a singer. In the chorus apparatus, a providing device provides music information including reference pitch information which indicates a regular variation of an actual pitch of the vocal sound and harmony pitch information which determines a harmony pitch of the chorus sound. A detecting device detects the actual pitch of the vocal sound containing the regular variation and an irregular fluctuation which overlaps the regular variation. A controlling device extracts the irregular fluctuation of the actual pitch from the vocal sound according to the reference pitch information, and modifies the harmony pitch information to impart thereto a desired fluctuation corresponding to the irregular fluctuation extracted from the vocal sound. A generating device operates according to the modified harmony pitch information for generating the chorus sound containing the desired fluctuation over the harmony pitch. A mixing device mixes the vocal sound and the chorus sound with each other.

(Refer Figure 1)