

LOUDSPEAKER PHASE DISTORTION CONTROL
USING VELOCITY FEEDBACK

ABSTRACT OF THE DISCLOSURE

The velocity of the integral speaker coil and cone of the canceling loudspeaker of an ANC system corresponds to the sound being produced by the canceling loudspeaker. By sensing the velocity of the speaker coil/cone and comparing the sensed velocity to the driving signal from the controller, the response time and distances can be shortened.

Figure 1