

Title (en)

DIMENSIONAL SOUND PRODUCING APPARATUS AND A SOUND RECORDING.

Title (de)

APPARAT ZUR HERSTELLUNG VON STEREOPHONKLÄNGEN UND EINE TONAUFNAHME.

Title (fr)

APPAREIL DE PRODUCTION DE SONS EN STEREOPHONIE ET UN ENREGISTREMENT DE SONS.

Publication

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Application

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Abstract (en)

[origin: WO8002219A1] Sound reproducing system having right and left speakers, (S(R) and S(L)), respectively, which produce right and left stereo sounds, respectively (Fig. 3). A right stereo signal in addition to driving the right speaker (S(R)), is inverted (B(RL)) and delayed (b1(RL) to b4(RL)) to produce a compensating signal which is transmitted to the left speaker (S(L)) to produce a delayed compensating sound pattern from the left speaker. The signal for the left speaker (S(L)) is inverted (B(LR)) and delayed (b1(LR) to b4(LR)) in a manner to produce a compensating sound pattern from the right speaker. The compensating sounds substantially cancel the main stereo sounds (R1 and Lr) travelling to a person's ear (Re and Le) that is further from that speaker, to produce a dimensionalized effect where some of the sounds appear to be outside of the speaker area. In a second embodiment, the main stereo signals and the compensating signals are used to produce a recording (Fig. 10) which in turn produces the main stereo sounds and the compensating sounds to produce a dimensionalized effect.

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