

Title (en)

METHOD FOR THE REPRODUCTION OF SOUND WAVES USING ULTRASOUND LOUDSPEAKERS

Title (de)

VERFAHREN ZUR WIEDERGABE VON AUDIOSCHALL MIT ULTRASCHALL-LAUTSPRECHERN

Title (fr)

PROCEDE DE REPRODUCTION DE SON AUDIO A L'AIDE DE HAUT-PARLEURS A ULTRASON

Publication

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Application

EP 00925256 A 20000502

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Abstract (en)

[origin: WO0108449A1] The invention concerns a method for the reproduction of audio sound using ultrasound loudspeakers as well as a construction type of the loudspeakers and their application. A method and device for the reproduction of audio sound using an ultrasound generating device, whereby the audio signal to be reproduced is connected to the ultrasound frequency range via side-band amplitude modulation with a carrier signal in the ultrasound frequency range and whereby means are also provided to subject the ultrasound signal to dynamic error compensation. The compensated ultrasound signal is, if necessary, subjected to a frequency response linearisation procedure and then fed to an ultrasound convertor (loudspeaker), whereby means are provided for reducing the amplitude of the ultrasound carrier signal, (carrier reduction).

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