

Title (en)  
ELECTRIC SIGNAL PROCESSING FOR ELECTROACOUSTIC TRANSDUCER

Title (de)  
VERARBEITUNG EINES ELEKTRISCHEN SIGNALS FÜR ELEKTROAKUSTISCHEN WANDLER

Title (fr)  
TRAITEMENT DE SIGNAL ELECTRIQUE POUR TRANSDUCTEUR ELECTROACOUSTIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO0108446A1] It is usual to utilise electric current filters for electroacoustic transducers, said filters are in general frequency mixers. Audio electric signals have a pulse response quality and excellent frequency adjustment. As for electroacoustic transducers, the transformation is not properly carried out for electroacoustic transducers. The electric pulses travel at the speed of the electrons whereas the membrane and its motor have a specific weight. Said weight has a mechanical inertia preventing an instantaneous response to the electric effects. The invention concerns a method which consists in modifying at least one modulation of the original electric pulse into micro electrical phase shifts. Said micro phase shifts are generated by impedance of the components. An apparatus consists of several components of similar type mounted in parallel, thereby forming a self-powered oscillator, energized by the original electric signal. Said apparatus is mounted on the circuit powering the enclosure.

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