

Method for generating acoustic vibrations using a transducer comprises a monomorphic piezoelectric element, a capacitor, and an inductor. The method is implemented by connecting an electrical oscillator to the electrodes of the piezoelectric element. In the transducer circuit, the piezoelement electrodes are configured as an outer ring and an inner disk. The electrical oscillation generator is connected to an inductor, which is connected to the disk electrode of the piezoelement's second electrode system. The common lead of the electrical oscillation generator is connected to the ring electrode of the first electrode system of the piezoelectric element. A capacitor is connected to the inductor in parallel with the electrodes of the piezoelectric element.