

Method for generating acoustic vibrations using a transducer comprises a disc-shaped piezoelectric element with two electrode systems, configured as rings and discs, which are implemented by connecting an electrical oscillator to the electrodes of the piezoelectric element. In the transducer circuit, a generator with a symmetrical, out-of-phase output and a grounded midpoint is used as the generator. The first electrodes of the first and second electrode systems of the piezoelectric element are connected to the opposite-phase outputs of the generator. The second electrodes of the first and second electrode systems of the piezoelectric element are connected to the midpoint of the generator's symmetrical opposite-phase output.