

Abstract

The invention relates to a method for operating a piezoelectric speaker (2) for generating sound waves in the audible wavelength spectrum and/or in the ultrasonic range, a piezo actuator (24) of the piezoelectric speaker (2) being at least partially charged with electrical energy of an energy unit (3) and then being at least partially discharged, whereby sound waves are generated, and at least one present electrical piezo actuator voltage (12, 13) of the piezo actuator (24) being determined. According to the invention, a future input voltage (14) for the piezo actuator (24) is compared with the present electrical piezo actuator voltage (12, 13) prior to charging and/or discharging, and a future differential voltage (15) is derived therefrom. Furthermore, a part of the energy needed to charge the piezo actuator (24) can be returned to the energy unit (3) during discharging.

[Fig. 5]