

FLEXIBLE MEMS PRINTED CIRCUIT BOARD UNIT AND SOUND TRANSDUCER ASSEMBLY

ABSTRACT

The invention relates to a MEMS circuit board unit for an electroacoustic transducer arrangement for generating and/or detecting sound waves in the audible wavelength spectrum, comprising a circuit board and a multilayer piezoelectric structure that allows a membrane, which is provided for this purpose, to vibrate and/or detects vibrations of the membrane, the circuit board advantageously being flexible, and the multilayer piezoelectric structure being embedded in the circuit board. The invention further relates to an electroacoustic transducer arrangement for generating and/or detecting sound waves in the audible wavelength spectrum, comprising a membrane, a cavity, and a MEMS circuit board unit that includes a circuit board and a multilayer piezoelectric structure which allows the membrane to vibrate and/or detects vibrations of the membrane, the MEMS circuit board unit being designed as indicated above.

Figure 2