

ABSTRACT**MEMS printed circuit board module with integrated piezoelectric structure
and sound transducer assembly**

The invention relates to a MEMS circuit board module (1) for an electroacoustic transducer arrangement (2) for generating and/or detecting sound waves in the audible wavelength spectrum, comprising a circuit board (4) and a multilayer piezoelectric structure (5) that allows a membrane (6), which is provided for this purpose, to vibrate and/or detects vibrations of the membrane (6). According to the invention, the multilayer piezoelectric structure (5) is connected directly to the circuit board (4). The invention further relates to an electroacoustic transducer arrangement (2) comprising a MEMS circuit board module (1) of this type as well as to a method for manufacturing the MEMS circuit board module (1) and the electroacoustic transducer arrangement (2).

FIG. 6