

Title (en)

COMPONENT HAVING MICROMECHANICAL MICROPHONE STRUCTURE AND METHOD FOR PRODUCING

Title (de)

BAUELEMENT MIT EINER MIKROMECHANISCHEN MIKROFONSTRUKTUR UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

COMPOSANT AVEC UNE STRUCTURE DE MICROPHONE MICROMÉCANIQUE ET PROCÉDÉ DE FABRICATION D'UN TEL COMPOSANT

Publication

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Application

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Abstract (en)

[origin: WO2011082861A1] The invention relates to measures for improving the acoustic properties of a microphone component produced in sacrificial layer technology. According to the invention, the micromechanical microphone structure of such a component (10) is implemented in a layer structure and comprises at least one membrane which can be deflected by sound pressure and which is implemented in a membrane layer and a fixed, acoustically permeable counter-element (12) for the membrane which is implemented in a thick function layer over the membrane layer and has passage openings (13) for sound induction. According to the invention, the passage openings (13) are arranged over the center region of the membrane for sound induction, whereas acoustic, extensively passive perforation openings (14) are designed in the counter-element (12) over the edge region of the membrane.

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DOCDB simple family (publication)

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