

Title (en)

MEMS SOUND TRANSDUCER HAVING RECESSES AND PROJECTIONS

Title (de)

MEMS-SCHALLWANDLER MIT AUSNEHMUNGEN UND AUSKRAGUNGEN

Title (fr)

TRANSDUCTEUR ACOUSTIQUE MEMS COMPORTANT DES ÉVIDEMENTS ET DES SAILLIES

Publication

EP 4309379 A1 20240124 (DE)

Application

EP 22713670 A 20220315

Priority

- DE 102021202573 A 20210316
- EP 2022056728 W 20220315

Abstract (en)

[origin: WO2022194880A1] Embodiments of the present disclosure describe MEMS sound transducers for generating sound, comprising an actuator which is separated from a surrounding structure by one or more gaps and is designed to perform a relative movement between the actuator and the surrounding structure. The MEMS sound transducer also comprises the surrounding structure, wherein: the actuator and the surrounding structure comprise a multiplicity of recesses and projections which are separated by one or more gaps; and the multiplicity of projections belonging to the actuator are located in the multiplicity of recesses belonging to the surrounding structure in mutual engagement and/or the multiplicity of projections belonging to the surrounding structure are located in the multiplicity of recesses belonging to the actuator in mutual engagement.

IPC 8 full level

H04R 1/22 (2006.01); **B81B 3/00** (2006.01); **H04R 17/00** (2006.01); **H04R 19/02** (2006.01)

CPC (source: EP US)

H04R 1/22 (2013.01 - EP US); **H04R 17/00** (2013.01 - EP); **H04R 19/02** (2013.01 - EP); **H04R 2201/003** (2013.01 - EP US)

Citation (search report)

See references of WO 2022194880A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (publication)

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DOCDB simple family (application)

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