

Title (en)  
MICROMECHANICAL ACOUSTIC TRANSDUCER

Title (de)  
MIKROMECHANISCHER SCHALLWANDLER

Title (fr)  
TRANSDUCTEUR ACOUSTIQUE MICROMÉCANIQUE

Publication  
**EP 3632135 B1 20230802 (DE)**

Application  
**EP 18729366 A 20180528**

Priority  
• DE 102017208911 A 20170526  
• EP 2018063961 W 20180528

Abstract (en)  
[origin: WO2018215669A2] A micromechanical acoustic transducer comprises, according to a first aspect, a first bender transducer with a free end and a second bender transducer with a free end which are situated in a common plane, wherein the free end of the first bender transducer is separated from the free end of the second bender transducer by a gap. The second bender transducer is excited in phase to the vertical oscillation of the first bender transducer. A micromechanical acoustic transducer comprises, according to a second aspect, a first bender transducer which is excited vertically to the oscillation and a plate element which extends vertically relative to the first bender transducer and is separated from a free end of the first bender transducer by a gap.

IPC 8 full level  
**H04R 7/10** (2006.01); **H04R 17/00** (2006.01); **H04R 19/00** (2006.01); **H04R 19/02** (2006.01); **H04R 19/04** (2006.01); **H04R 31/00** (2006.01)

CPC (source: CN EP US)  
**H04R 7/06** (2013.01 - US); **H04R 7/10** (2013.01 - EP); **H04R 7/26** (2013.01 - US); **H04R 17/00** (2013.01 - EP US); **H04R 19/00** (2013.01 - CN); **H04R 19/005** (2013.01 - EP); **H04R 31/003** (2013.01 - EP); **H04R 19/02** (2013.01 - EP); **H04R 19/04** (2013.01 - EP); **H04R 2201/003** (2013.01 - EP); **H04R 2440/01** (2013.01 - EP); **H04R 2499/11** (2013.01 - EP)

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
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