

Title (en)
MEMS ACOUSTIC TRANSDUCER ARRAY

Title (de)
MEMS-SCHALLWANDLER-ARRAY

Title (fr)
RÉSEAU DE TRANSDUCTEURS ACOUSTIQUES MEMS

Publication
EP 4298798 A1 20240103 (DE)

Application
EP 22712805 A 20220224

Priority
• DE 102021201784 A 20210225
• EP 2022054647 W 20220224

Abstract (en)
[origin: WO2022180161A1] A MEMS acoustic transducer array (10*) comprises at least two acoustic transducers (12, 13, 14), a first acoustic transducer (14) of the at least two acoustic transducers being designed to reproduce an amplitude characteristic of a first resonant frequency, and a second acoustic transducer (12) of the at least two acoustic transducers being designed to reproduce an amplitude characteristic of a second resonant frequency. The second resonant frequency is higher than the first resonant frequency. The second acoustic transducer has a quality factor $Q \geq 1$ or ≥ 3 .

IPC 8 full level
H04R 1/26 (2006.01); **H04R 17/10** (2006.01)

CPC (source: EP)
H04R 1/26 (2013.01); **H04R 17/10** (2013.01); **H04R 2201/003** (2013.01)

Citation (search report)
See references of WO 2022180161A1

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021201784 A1 20220825; EP 4298798 A1 20240103; WO 2022180161 A1 20220901

DOCDB simple family (application)
DE 102021201784 A 20210225; EP 2022054647 W 20220224; EP 22712805 A 20220224