

Title (en)
PROTECTED ACOUSTIC TRANSDUCER

Title (de)
GESCHÜTZTER SCHALLWANDLER

Title (fr)
TRANSDUCTEUR ACOUSTIQUE PROTÉGÉ

Publication
EP 4258683 A1 20231011 (EN)

Application
EP 22181676 A 20220628

Priority
US 202263326928 P 20220404

Abstract (en)
There is herein presented an acoustic device comprising an acoustic transducer, an acoustic cavity proximate to the acoustic transducer and a membrane cover spanning the acoustic cavity; wherein upon the installation of the membrane cover the signal to noise ratio (SNR) of the acoustic transducer is reduced by less than 1.5 dB at 1 kHz as measured using the method described herein; and wherein the SNR of the acoustic device is reduced by less than 1.0 dB at 1 kHz after contact of the membrane cover with water as measured using the method described herein.

IPC 8 full level
H04R 1/02 (2006.01); **H04R 1/08** (2006.01)

CPC (source: EP)
H04R 1/023 (2013.01); **H04R 1/086** (2013.01)

Citation (applicant)

- US 5814405 A 19980929 - BRANCA PHILLIP A [US], et al
- US 7306729 B2 20071211 - BACINO JOHN E [US], et al
- KINSLER ET AL., INTERNATIONAL ORGANIZATION FOR STANDARDIZATION, 1999

Citation (search report)

- [XY] WO 2017004331 A1 20170105 - GORE & ASS [US]
- [Y] WO 2017134479 A1 20170810 - SAATI SPA [IT]
- [Y] US 5814405 A 19980929 - BRANCA PHILLIP A [US], et al

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)
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