

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
03 November 2022 (03.11.2022)



(10) International Publication Number
WO 2022/232062 A1

(51) International Patent Classification:

G01N 29/24 (2006.01) H04R 17/10 (2006.01)
G10K 11/34 (2006.01) G01N 29/12 (2006.01)
G01N 29/14 (2006.01)

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(21) International Application Number:

PCT/US2022/026214

(22) International Filing Date:

25 April 2022 (25.04.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

17/244,605 29 April 2021 (29.04.2021) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,

(54) Title: MODULARIZED ACOUSTIC PROBE

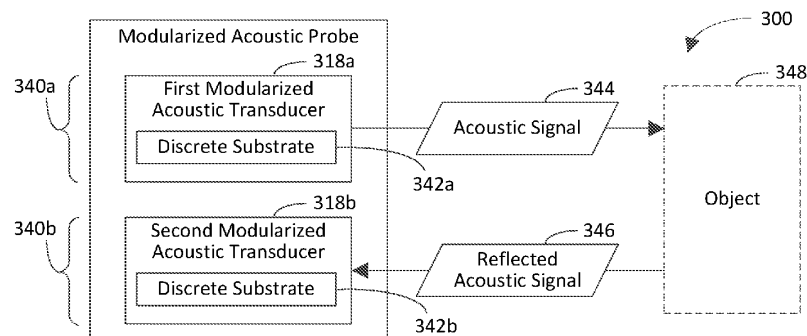


FIG. 3

(57) Abstract: Techniques are described herein that are capable of providing a modularized acoustic probe that includes multiple acoustic transducers that have discrete substrates. A first acoustic transducer is configured to generate an acoustic signal and to transmit the acoustic signal toward an object. The second acoustic transducer is configured to detect a reflected acoustic signal, which results from the acoustic signal reflecting from the object, and to convert the reflected acoustic signal to an electrical signal. The first and second acoustic transducers have respective discrete substrates. In an example, the second acoustic transducer may not be configured to generate acoustic signals. In another example, the first and second acoustic transducers may be in respective first and second rows of a two-row transducer array. In accordance with this example, the first and second acoustic transducers may be designed to have an acoustic parameter having respective first and second parameter values.

[Continued on next page]

MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*