



(51) International Patent Classification:
G01N 15/10 (2006.01) *B05B 17/06* (2006.01)
C12N 13/00 (2006.01)

(21) International Application Number:
PCT/US2020/016259

(22) International Filing Date:
31 January 2020 (31.01.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/800,304 01 February 2019 (01.02.2019) US

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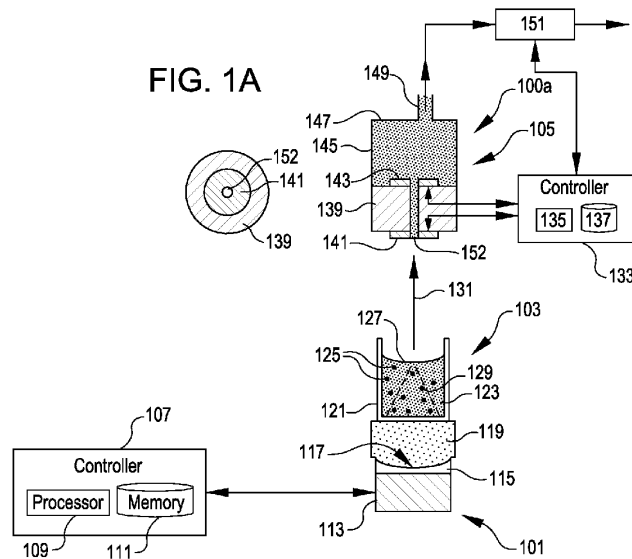
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(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, 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,

(54) Title: ACOUSTIC CONCENTRATION, TRANSFER AND ANALYSIS OF SAMPLES CONTAINING PARTICLES

FIG. 1A



(57) Abstract: Systems and methods described herein employ focused acoustic energy applied to a reservoir containing a fluid to eject a fluid sample from the fluid sample reservoir, e.g. to an inlet of an analytical device. In many embodiments, the ejected fluid sample traverses an air gap separating the inlet of the analytical device from an upper surface of the fluid in the fluid sample reservoir. In many embodiments, the ejected fluid sample comprises one or more droplets ejected from the fluid sample reservoir, which can contain particles suspended in the fluid sample.

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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, 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))*