

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 October 2019 (17.10.2019)



(10) International Publication Number
WO 2019/199958 A1

(51) International Patent Classification:

G01N 15/02 (2006.01) G01N 21/94 (2006.01)
G01N 21/47 (2006.01) G01N 21/95 (2006.01)
G01N 21/33 (2006.01)

(21) International Application Number:

PCT/US2019/026773

(22) International Filing Date:

10 April 2019 (10.04.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/655,903 11 April 2018 (11.04.2018) 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, 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, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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: **INLINE PARTICLE SENSOR**

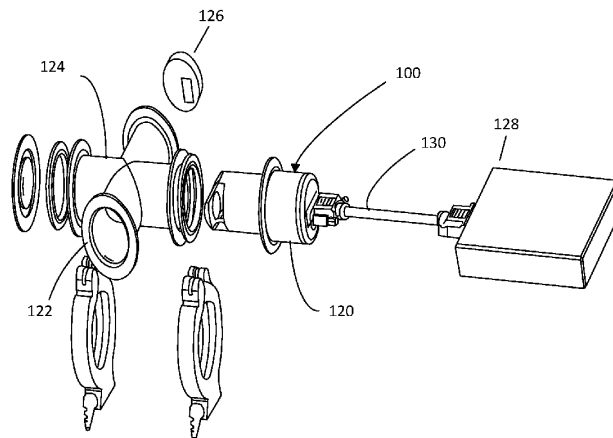


FIG. 2

(57) Abstract: An inline particle sensor (100) includes a sensor head (120) configured to mount within a fitting (122), the sensor head (120) including a laser source (308) sealed and isolated from a sensing volume and configured to emit a laser beam through the sensing volume and a detector (310) arranged to detect particles in the sensing volume that pass through the laser beam. The inline particle sensor (100) further includes electronics (302) coupled to the sensor head (120) and configured to receive a signal indicative of the particles from the detector (310) and provide a particle output based on the signal.

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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))*