

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
27 December 2013 (27.12.2013)



(10) International Publication Number
WO 2013/192187 A9

(51) International Patent Classification:
C12Q 1/04 (2006.01) *G01N 33/58* (2006.01)

(21) International Application Number:
PCT/US2013/046334

(22) International Filing Date:
18 June 2013 (18.06.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/661,011 18 June 2012 (18.06.2012) US

(72) Inventor; and

(71) Applicant : BRUBACHER, John, Miles [US/US];
14843 Faceta Drive, La Mirada, CA 90638 (US).

(74) Agents: SANDERS, Justin, G. et al.; Mind Law Firm,
P.C., 36 Executive Park, Suite 110, Irvine, CA 92614
(US).

(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, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, 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, 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, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,

[Continued on next page]

(54) Title: MICROORGANISM EVALUATION SYSTEM

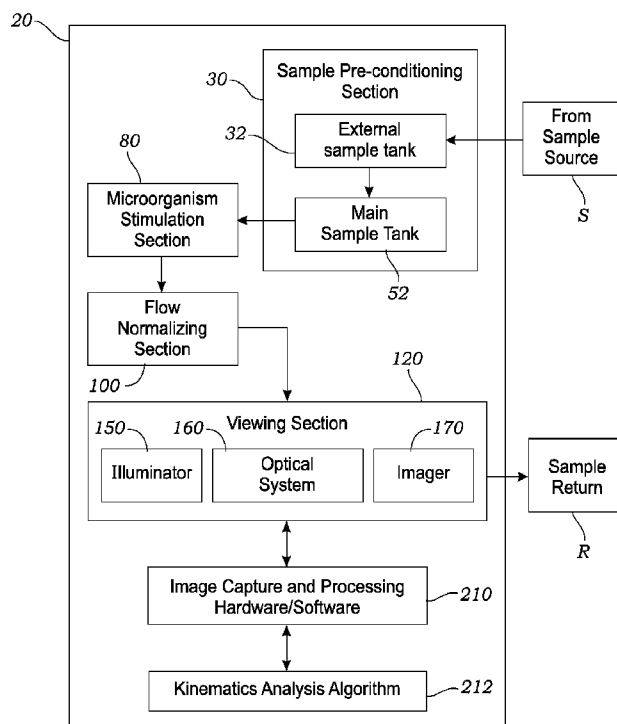


Fig. 1

(57) Abstract: A microorganism evaluation system for analyzing microorganisms within a fluid flow, comprising a microorganism stimulation section comprising a means for inducing a motive response in a living microorganism within the fluid flow passing through the microorganism stimulation section, and a viewing section in fluid communication with the microorganism stimulation section, the viewing section comprising a body having formed therein a body cavity defining a viewing port visible through a cavity first opening formed in the body so as to be in communication with the body cavity, the viewing section further comprising an optical system mounted relative to the body for viewing the fluid flow within the viewing port through the cavity first opening, whereby image data relating to the fluid flow and microorganisms therein is acquired via the optical system for analysis.



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))*

(48) Date of publication of this corrected version:

20 February 2014

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

(15) Information about Correction:

see Notice of 20 February 2014