



(51) International Patent Classification:

G02B 21/36 (2006.01) **G06K 9/32** (2006.01)
G01N 21/64 (2006.01) **G06T 7/00** (2006.01)

12345 (US). **TAIT, Robert, William** [US/US]; GE Global Research, One Research Circle, Niskayuna, NY 12309 (US).

(21) International Application Number:

PCT/SE2010/050562

(74) **Agents: GE HEALTHCARE BIO-SCIENCES AB** et al.; Patent Department, Björkgatan 30, S-751 84 Uppsala (SE).

(22) International Filing Date:

25 May 2010 (25.05.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/474,306 29 May 2009 (29.05.2009) US

(71) **Applicant (for all designated States except US): GENERAL ELECTRIC COMPANY** [US/US]; 1 River Road, Schenectady, NY 12345 (US).

(71) **Applicant (for MG only): GE HEALTHCARE BIO-SCIENCES AB** [SE/SE]; Patent Department, Björkgatan 30, S-751 84 Uppsala (SE).

(72) Inventors; and

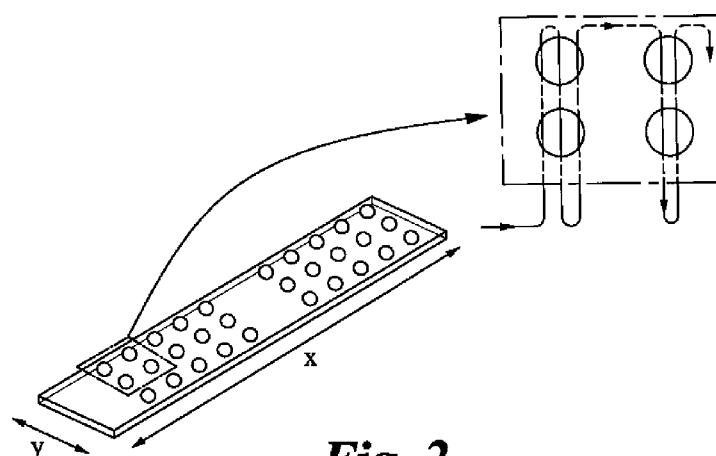
(75) **Inventors/Applicants (for US only): FILKINS, Robert** [US/US]; GE Global Research, One Research Circle, K1 5B3, Niskayuna, NY 12309 (US). **KENNY, Kevin, B.** [US/US]; GE Global Research, One Research Circle, K1, Niskayuna, NY 12309 (US). **ROYCE, Christina, C.** [US/US]; GEE Power, 1 River Road, Schenectady, NY

(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, 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, KM, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) **Title:** METHOD AND APPARATUS FOR ULTRAVIOLET SCAN PLANNING

**Fig. 2**

(57) **Abstract:** The invention provides method for locating one or more substantially circular-shaped tissue sample positioned on a solid support. The method involves the steps of transmitting light of a preselected wavelength onto a tissue sample, wherein the light induces the tissue sample to autofluoresce, identifying the center location of the tissue sample using the autofluoresced light, correlating the coordinates of the center location of the tissue sample on the solid support using an x, y-coordinate system, and mapping the coordinates of the tissue sample on the solid support to differentiate tissue sample containing regions from blank regions on the solid support. In a second aspect, the invention provides an apparatus for locating one or more substantially circular-shaped tissue sample positioned on a solid support.



Published:

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

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))