

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
12 March 2009 (12.03.2009)

PCT

(10) International Publication Number
WO 2009/033156 A9

(51) International Patent Classification:

C12Q 1/68 (2006.01) *G06F 19/00* (2006.01)
G01N 33/53 (2006.01)

(21) International Application Number:

PCT/US2008/075595

(22) International Filing Date:

8 September 2008 (08.09.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/970,707 7 September 2007 (07.09.2007) US

(71) Applicant (for all designated States except US): **THIRD**

WAVE TECHNOLOGIES, INC. [US/US]; 502 South
Rosa Road, Madison, WI 53719 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ALLAWI, Hatim,**
T. [JO/US]; 2325 Quartz Lane, Madison, WI 53719 (US).

LYAMICHEV, Victor [RU/US]; 2523 Carriedale Court,
Madison, WI 53711 (US). **PIPER, Rex** [US/US]; 1909 Vi-
las Avenue, Madison, WI 53711 (US).

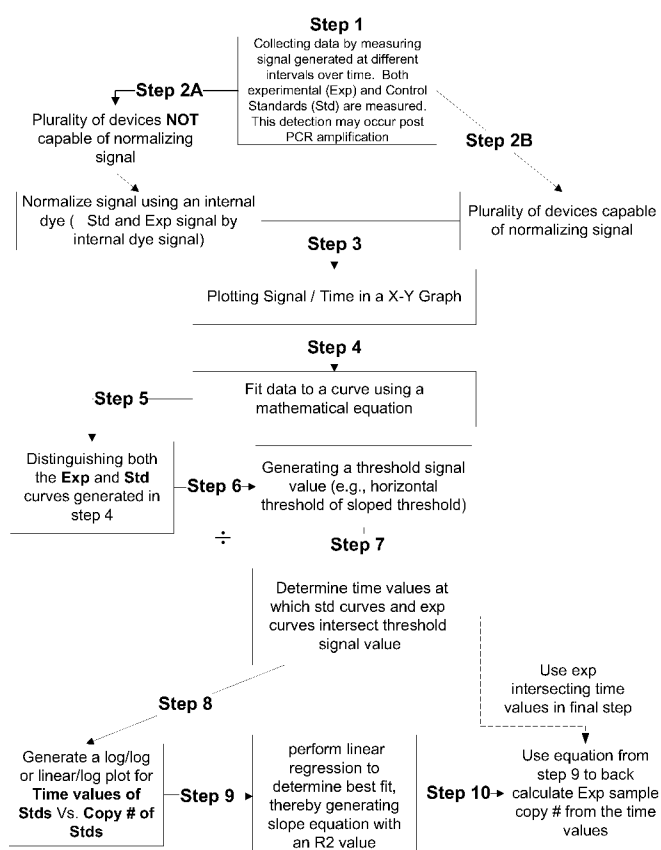
(74) Agent: **BOND, Jason, R.**; Casimir Jones, S.C., 440 Sci-
ence Drive, Suite 203, Madison, WI 53711 (US).

(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, BR, BW, BY, BZ, CA,
CH, 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, PG, PH, PL, PT,
RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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,

[Continued on next page]

(54) Title: METHODS AND APPLICATIONS FOR TARGET QUANTIFICATION

FIGURE 1

(57) Abstract: The present invention provides methods and software applications for quantifying a target in an experimental sample by collecting and processing initial signal data from the experimental sample and at least two standard control samples containing known target copy numbers. In this regards, the present invention allows the quantification of target copy number in the experimental sample.

WO 2009/033156 A9



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(48) Date of publication of this corrected version:

30 April 2009

(15) Information about Correction:

see Notice of 30 April 2009

Published:

- *without international search report and to be republished upon receipt of that report*