

(51) International Patent Classification:
G06F 19/24 (2011.01)(21) International Application Number:
PCT/US2015/023096(22) International Filing Date:
27 March 2015 (27.03.2015)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/972,099 28 March 2014 (28.03.2014) US(71) Applicant: **OPKO DIAGNOSTICS, LLC** [US/US]; 4
Constitution Way, Suite E, Woburn, MA 01801 (US).(72) Inventors: **STEINMILLER, David**; 2 Walker Ct., #2,
Cambridge, MA 02138 (US). **LINDER, Vincent**; 246
Mitchell G Drive, Tewksbury, MA 01876 (US). **PET-
TERSSON, Kim**; c/o Oy Arctic Partners Ab, Yliopis-
tonkatu 2, FI-20100 Turku (FI). **LOVGREN, Timo**; c/o
Oy Arctic Partners Ab, Yliopistonkatu 2, FI-20100 Turku
(FI). **LILJA, Hans**; 504 East 63rd Street, Apt. 31S, New
York, NY 10065 (US). **SCARDINO, Peter, T.**; 25 Sutton
Place South, 11G, New York, NY 10022 (US). **VICK-****ERS, Andrew, J.**; 374 Fifth Street, Brooklyn, NY 11215
(US).(74) Agent: **YOUNG, Daniel, W.**; Wolf, Greenfield & Sacks,
P.C., 600 Atlantic Avenue, Boston, MA 02210-2206 (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, IR, IS, JP, KE, KG, KN, KP, KR,
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, 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).

[Continued on next page]

(54) Title: COMPOSITONS AND METHODS RELATED TO DIAGNOSIS OF PROSTATE CANCER

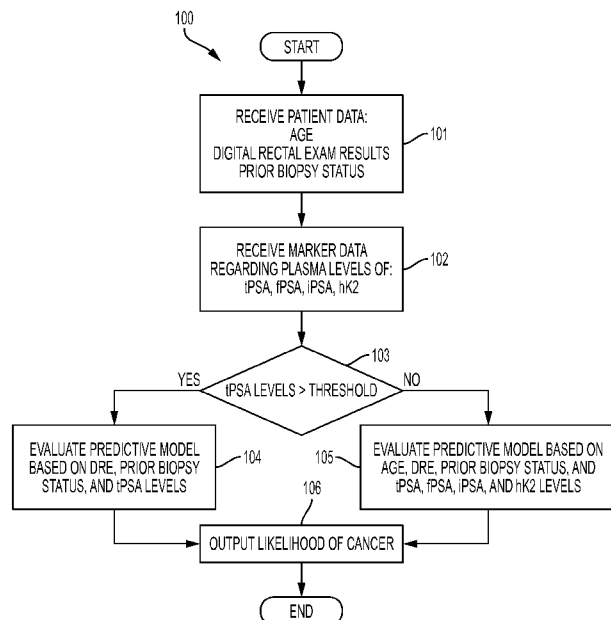
(57) Abstract: Aspects of the disclosure relate to improved
methods for predicting whether a prostate tissue biopsy ob-
tained from a subject will contain detectable prostate cancer.

FIG. 1A

Published:

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

— with sequence listing part of description (Rule 5.2(a))