



(51) International Patent Classification:
C12Q 1/68 (2006.01)

(21) International Application Number:
PCT/GB2014/053694

(22) International Filing Date:
12 December 2014 (12.12.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1322034.8 12 December 2013 (12.12.2013) GB

(71) Applicant: **ALMAC DIAGNOSTICS LIMITED**
[GB/GB]; Almac House, 20 Seagoe Industrial Estate,
Craigavon BT63 5QD (GB).

(72) Inventors: **WALKER, Steven**; c/o Almac House, 20
Seagoe Industrial Estate, Craigavon BT63 5QD (GB). **MC-
CAVIGAN, Andrena**; c/o Almac House, 20 Seagoe In-
dustrial Estate, Craigavon BT63 5QD (GB). **DAVISON,
Timothy**; c/o Almac House, 20 Seagoe Industrial Estate,
Craigavon BT63 5QD (GB). **KENNEDY, Richard**; c/o
Almac House, 20 Seagoe Industrial Estate, Craigavon
BT63 5QD (GB). **HARKIN, Paul**; c/o Almac House, 20
Seagoe Industrial Estate, Craigavon BT63 5QD (GB).
HILL, Laura; c/o Almac House, 20 Seagoe Industrial Es-
tate, Craigavon BT63 5QD (GB).

(74) Agent: **BOULT WADE TENNANT**; Verulam Gardens,
70 Grays Inn Road, London, Greater London WC1X 8BT
(GB).

(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).

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

(88) Date of publication of the international search report:
17 September 2015

(54) Title: PROSTATE CANCER CLASSIFICATION

(57) Abstract: A method is provided for characterising and/or prognosing prostate cancer in a subject comprising determining the expression level of at least one of CREM, ERFFI1, SRSF5, PDK4, HJURP, PDRG1, TRPM3, PDE4D, F12, ADAMTS1, ADAMT-S9, B3GNT5, CD38, CEBPD, CENPF, DKK1, EMP1, F3, IL1 R1, IL8, JUNB, KLF10, KLF4, LDLR, LGALS3, LPAR1, MAL-AT1, MTUS1, MYBPC1, NFIL3, NR4A3, OAT, PI15, PTGS2, RHOBTB3, RIN2, RNFT2, SELE, SLC15A2, SOCS2, SOCS3, SSTR1, ST6GAL1, TSC22D1, XBP1 and ZFP36 in a sample from the subject. The method may be used to predict the likelihood of metastasis. Also disclosed are methods for diagnosing and selecting treatment for prostate cancer, together with corresponding methods of treatment. Systems, kits and computer programs for performing the methods are also provided.



WO 2015/087088 A3