



(51) International Patent Classification:

A61K 31/40 (2006.01) *G01N 33/574* (2006.01)
A61K 31/138 (2006.01) *A61B 5/00* (2006.01)
A61P 35/00 (2006.01)

(21) International Application Number:

PCT/NZ2015/050108

(22) International Filing Date:

12 August 2015 (12.08.2015)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/036,583 12 August 2014 (12.08.2014) US

(71) Applicant: GILLIES MCINDOE RESEARCH INSTITUTE [NZ/NZ]; c/ - Staples Rodway, Level 6, 95 Custom House Quay, Wellington (NZ).

(72) Inventors: BAILLIE, Ranui Francesca; 169 Hanson Street, Newtown, Wellington (NZ). DAVIS, Paul Frank; 33 Huntleigh Park Way, Ngaio, Wellington (NZ). ITINTEANG, Tinte; 53 Gloaming Hill, Titahi Bay, Wellington (NZ). TAN, Swee Thong; 33 Waru Street, Kandallah, Wellington (NZ).

(74) Agent: CATALYST INTELLECTUAL PROPERTY; Level 5, 111 Customhouse Quay, New Zealand, 6011 (NZ).

(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.

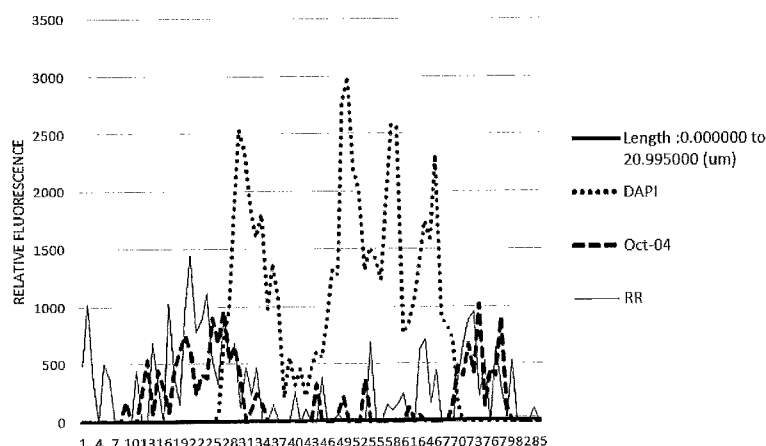
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, 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))

(54) Title: CANCER DIAGNOSIS AND THERAPY

FIGURE 4B



(57) Abstract: The present invention provides a novel approach to cancer diagnosis and therapy of cancer by providing compositions and methods for the identification and specific targeting of the cancer stem cell populations present in a tumour to eradicate, or slow or prevent tumour (5) growth and spread, including the potential for tumour metastasis, by modulation of the Renin-Angiotensin System including, but not limited to, Renin Receptor, Angiotensin II Receptor (2) and a secreted form of the Renin Receptor.