(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 December 2011 (15.12.2011)

PCT

(10) International Publication Number
WO 2011/156119 A1

(51) International Patent Classification:
A61K 9/14 (2006.01) *A61K 31/16* (2006.01)
A61K 31/337 (2006.01) *A61K 31/7068* (2006.01)
A61K 47/42 (2006.01) *A61P 35/00* (2006.01)

(21) International Application Number:
PCT/US2011/037450

(22) International Filing Date:
20 May 2011 (20.05.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/352,333 7 June 2010 (07.06.2010) US
61/446,909 25 February 2011 (25.02.2011) US

(71) Applicant *(for all designated States except US)*: **ABRAXIS BIOSCIENCE, LLC** [US/US]; 11755 Wilshire Boulevard, Suite 2000, Los Angeles, CA 90025 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **DESAL, Neil, P.** [US/US]; 11755 Wilshire Boulevard, Suite 2000, Los Angeles, CA 90025 (US). **SOON-SHIONG, Patrick** [US/US]; 149 South Barrington Avenue, #311, Los Angeles, CA 90049 (US).

(74) Agents: **POLIZZI, Catherine M.** et al.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (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, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

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

(54) **Title**: COMBINATION THERAPY METHODS FOR TREATING PROLIFERATIVE DISEASES

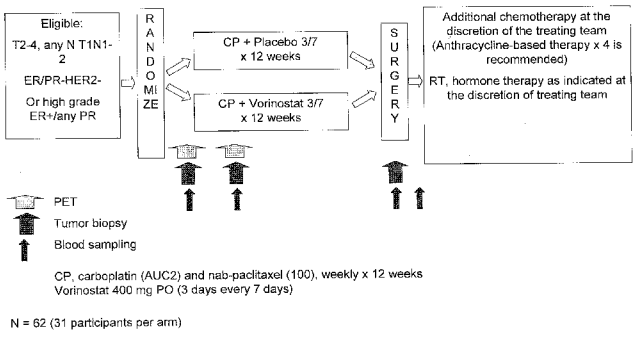


Figure 1

(57) **Abstract**: The present invention provides combination therapy methods of treating a proliferative disease (such as cancer) comprising a first therapy comprising administering to an individual an effective amount of a taxane in a nanoparticle composition, and a second therapy which may include the administration of an effective amount of at least one other agent that modifies the epigenetics in a cell.

WO 2011/156119 A1