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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 May 2007 (18.05.2007)

PCT

(10) International Publication Number
WO 2007/056118 A1

(51) International Patent Classification:
A61K 39/395 (2006.01)

(21) International Application Number:
PCT/US2006/042915

(22) International Filing Date:
2 November 2006 (02.11.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/733,562	4 November 2005 (04.11.2005)	US
60/837,509	14 August 2006 (14.08.2006)	US

(71) Applicant *(for all designated States except US)*: **WYETH** [US/US]; Five Giralda Farms, Madison, NJ 07940 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **MOORE, Laurence** [US/US]; 30 Sunset Road, Newton, MA 02458 (US). **ZACHARCHUK, Charles** [US/US]; 5 Abbey Road, Westford, MA 01886 (US). **RABINDRAN, Sridhar, Krishna** [US/US]; 2 Pamela Drive, Chestnut Ridge, NY 10977 (US).

(74) Agents: **KODROFF, Cathy, A.** et al.; Howson and Howson, 501 Office Center Drive, Suite 210, Fort Washington, PA 19034 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, 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, LV, LY, MA, MD, 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, 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, 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, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANTINEOPLASTIC COMBINATIONS WITH MTOR INHIBITOR, HERCEPTIN, AND/OR HKI-272

(57) Abstract: A combination of temsirolimus and herceptin in the treatment of cancer is provided. A combination of temsirolimus and HKI-272 is provided. A combination of herceptin and HKI-272 is also provided. Regimens and kits for treatment of metastatic breast cancer, containing herceptin, temsirolimus and/or HKI-272, optionally in combination with other anti-neoplastic agents, or immune modulators are described.

WO 2007/056118 A1