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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
22 May 2003 (22.05.2003)

PCT

(10) International Publication Number
WO 2003/042172 A3

(51) International Patent Classification[7]: C07D 403/12, 401/14, A61K 31/53, A61P 35/00

(21) International Application Number:
PCT/US2002/036528

(22) International Filing Date:
12 November 2002 (12.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/333,014 14 November 2001 (14.11.2001) US

(71) Applicant *(for all designated States except US)*: **BRISTOL-MYERS SQUIBB COMPANY** [US/US]; P. O. Box 4000, Route 206 and Provinceline Road, Princeton, NJ 08543-4000 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **MASTALERZ, Harold** [CA/US]; 70 Robin Lane, Guliford, CT 06437 (US). **ZHANG, Guifen** [CN/US]; 883 Durham Rd, Wallingford, CT 06492 (US). **TARRANT, James, G.** [US/US]; 156 Handy Rd, Hamden, CT 06518 (US). **VITE, Gregory, D.** [US/US]; 28 Continental Lane, Titusville, NJ 08560 (US).

(74) Agents: **PEIST, Kenneth** et al.; Bristol-Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543-4000 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

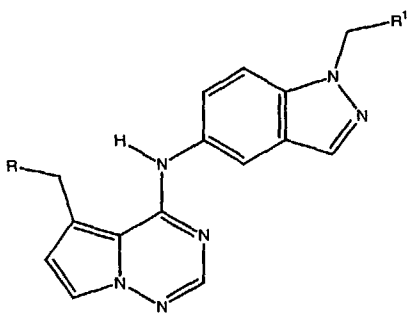
Published:
— *with international search report*

(88) Date of publication of the international search report:
29 January 2004

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.

WO 2003/042172 A3

(54) Title: C-5 MODIFIED INDAZOLYLPYRROLOTRIAZINES



(I)

(57) Abstract: The present invention provides compounds of formula I and pharmaceutically acceptable salts thereof. The formula I compounds inhibit tyrosine kinase activity of growth factor receptors such as HER1, HER2 and HER4 thereby making them useful as antiproliferative agents. The formula I compounds are also useful for the treatment of other diseases associated with signal transduction pathways operating through growth factor receptors.