

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 October 2003 (09.10.2003)

PCT

(10) International Publication Number
WO 03/082272 A1

(51) International Patent Classification⁷: **A61K 31/41**,
C07D 401/12, 405/14, 409/14, 401/14, 417/12, 417/14,
413/14, 407/14, 413/12, 471/08, A61P 35/00

Leonard [US/US]; 118 Amherst Court, Irvine, CA 92612 (US). **FANTL, Wendy** [GB/US]; 35 Hancock Street, San Francisco, CA 94114 (US).

(21) International Application Number: PCT/US03/10117

(74) Agent: **SHELTON, Dennis, K.**; Christensen O'Connor Johnson Kindness PLLC, 1420 Fifth Avenue, Suite 2800, Seattle, WA 98101 (US).

(22) International Filing Date: 31 March 2003 (31.03.2003)

(25) Filing Language: English

(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, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
60/369,066 29 March 2002 (29.03.2002) US

(71) Applicant (*for all designated States except US*): **CHIRON CORPORATION** [US/US]; 4560 Horton Street, Emeryville, CA 94608-2916 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **RENHOWER, Paul, A.** [US/US]; 262 Stetson Drive, Danville, CA 94506 (US). **RAMURTHY, Savithri** [US/US]; 1151 Maggie Lane, Walnut Creek, CA 94597 (US). **AMIRI, Payman** [US/US]; 1025 Lizann Drive, Lafayette, CA 94549 (US). **LEVINE, Barry, Haskell** [US/US]; 1142 Brown Avenue, Lafayette, CA 94549 (US). **POON, Daniel, J.** [US/US]; 415 Lagunitas Avenue, Apt. 103, Oakland, CA 94610 (US). **SUBRAMANIAN, Sharadha** [IN/US]; 1061 Harness Cir #30, San Ramon, CA 94583 (US). **SUNG,**

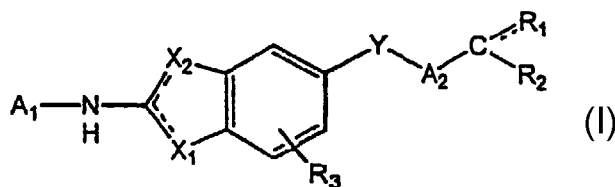
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ,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

Published:

— with international search report

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: SUBSTITUTED BENZAZOLES AND USE THEREOF AS RAF KINASE INHIBITORS



(57) Abstract: New substituted benz-azole compounds of formula (I), compositions and methods of inhibition of Raf kinase activity in a human or animal subject are provided. The new compounds compositions may be used either alone or in combination with at least one additional agent for the treatment of a Raf kinase mediated disorder, such as cancer.



WO 03/082272 A1