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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
3 May 2001 (03.05.2001)

PCT

(10) International Publication Number
WO 01/30768 A1

(51) International Patent Classification[7]: C07D 239/91, A61K 31/517, A61P 37/02

(21) International Application Number: PCT/US00/29585

(22) International Filing Date: 26 October 2000 (26.10.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/198,253 27 October 1999 (27.10.1999) US
60/213,104 21 June 2000 (21.06.2000) US

(71) Applicant *(for all designated States except US)*: **CYTOKINETICS, INC.** [US/US]; Suite 2, 280 East Grand Avenue, South San Francisco, CA 94080 (US).

(72) Inventors; and

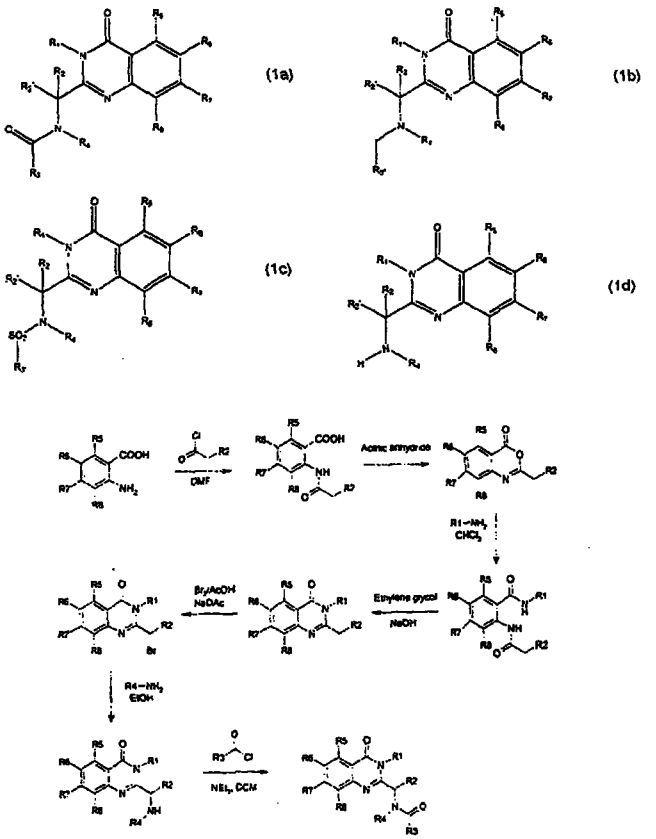
(75) Inventors/Applicants *(for US only)*: **FINER, Jeffrey, T.** [US/US]; 661 Leo Drive, Foster City, CA 94404 (US). **BERGNES, Gustave** [US/US]; Apartment A6, 3815 Susan Drive, San Bruno, CA 94066 (US). **FENG, Bainian** [US/US]; 1033 Egret Street, Foster City, CA 94404 (US). **SMITH, Whitney, W.** [US/US]; 1122 Richmond Street, El Cerrito, CA 94530 (US). **CHABALA, John, C.** [US/US]; 602 Sherwood Parkway, Mountainside, NJ 07092 (US).

(74) Agent: **WEAVER, Jeffrey, K.**; Beyer Weaver & Thomas, LLP, P.O. Box 0778, Berkeley, CA 94704-0778 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, 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,

[Continued on next page]

(54) Title: METHODS AND COMPOSITIONS UTILIZING QUINAZOLINONES



(57) Abstract: Quinazolinones of formulae (1a), (1b), (1c) and (1d) are disclosed. They are useful for treating cellular proliferative diseases and disorders associated with KSP kinesin activity.

WO 01/30768 A1

NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

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