

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 April 2002 (25.04.2002)

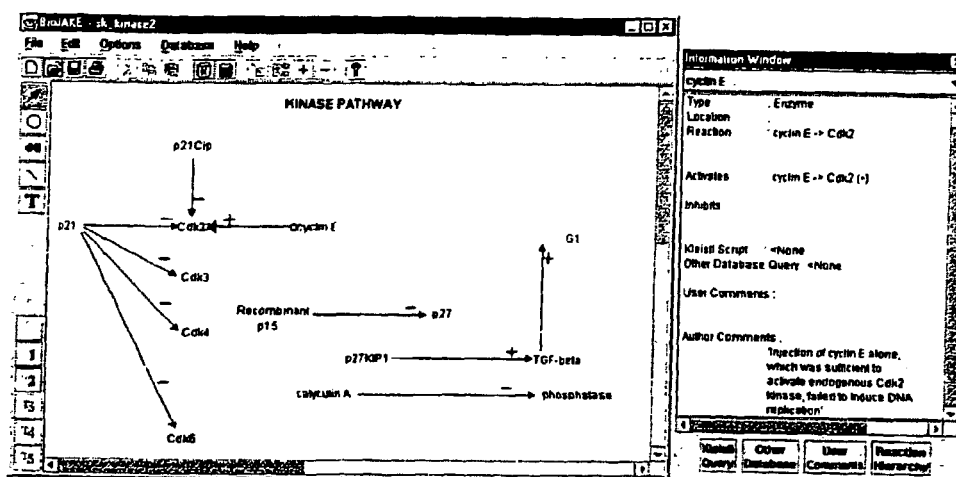
PCT

(10) International Publication Number
WO 02/033590 A1

- (51) International Patent Classification⁷: **G06F 17/30**, **G06N 5/02** (74) Agent: **AXIS INTELLECTUAL CAPITAL PTE LTD.**; 19B Duxton Hill, Singapore 089602 (SG).
- (21) International Application Number: **PCT/SG01/00217** (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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (22) International Filing Date: 18 October 2001 (18.10.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/690,738 18 October 2000 (18.10.2000) US
- (71) Applicant (*for all designated States except US*): **KENT RIDGE DIGITAL LABS [SG/SG]**; 21 Heng Mui Keng Terrace, Singapore 119613 (SG).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **NG, See, Kiong [SG/SG]**; Blk 7 Haig Road, #10-439, Singapore 430007 (SG). **WONG, Lim, Soon [MY/MY]**; 19 Jalan 11 Taman Melawati, 5300 Kuala Lumpur (MY).
- (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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: A PROTEIN INTERACTION EXTRACTION SYSTEM



(57) Abstract: The Protein Interaction Extraction System (PIES) is a means for automatic pathway discovery from online text abstracts. It combine technologies that (a) retrieve abstracts from online sources, (b) extract relevant protein interaction information from free texts, (c) present the extracted information graphically and intuitively, and optionally (d) allow (possibly customised) queries to be attached and launched from the graphical interface. It can further support sophisticated manipulations of the extracted pathways. It can also be set to periodically/routinely scan online scientific literature for automatic discovery of new protein interactions, giving modern scientists the necessary competitive edge in managing the information explosion in this electronic age.

WO 02/033590 A1



(48) Date of publication of this corrected version:

18 July 2002

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.

(15) Information about Correction:

see PCT Gazette No. 29/2002 of 18 July 2002, Section II