

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 February 2003 (27.02.2003)

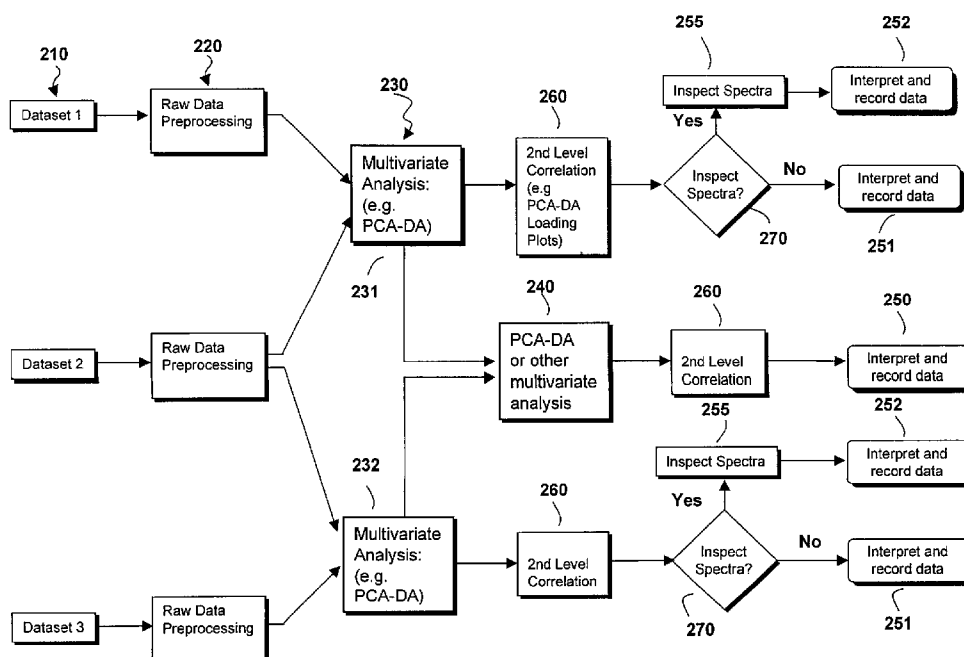
PCT

(10) International Publication Number
WO 2003/017177 A3

- (51) International Patent Classification⁷: **G06F 19/00**, 17/00, G06K 9/00
- (21) International Application Number: PCT/US2002/025734
- (22) International Filing Date: 13 August 2002 (13.08.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/312,145 13 August 2001 (13.08.2001) US
- (71) Applicant: **BEYOND GENOMICS, INC.** [US/US]; 40 Bear Hill Road, Waltham, MA 02451 (US).
- (72) Inventors: **VAN DER GREEF, Jan**; De Beaufortlaan 8, NL-3971 BM Driebergen-Rijsenburg (NL). **NEUMANN, Eric, K.**; 14 Colony Road, Lexington, MA 02420 (US). **ADOURIAN, Aram, S.**; 3 Clark Street, Woburn, MA 01801 (US).
- (74) Agent: **TESTA, HURWITZ & THIBEAULT, LLP**; High Street Tower, 125 High Street, Boston, MA 02110 (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, 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

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR PROFILING BIOLOGICAL SYSTEMS



(57) Abstract: The present invention provides methods and systems for developing profiles of a biological system based on the discernment of similarities, differences, and/or correlations between biomolecular components, of a single biomolecular component type, of a plurality of biological samples. Preferably, the method comprises utilizing hierarchical multivariate analysis of spectro-metric data at one or more levels of correlation.



— *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.

(88) Date of publication of the international search report:

8 April 2004