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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number
WO 2004/035742 A3

(51) International Patent Classification[7]: G01N 33/53

(21) International Application Number:
PCT/US2003/032574

(22) International Filing Date: 15 October 2003 (15.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/418,277	15 October 2002 (15.10.2002)	US
60/496,124	18 August 2003 (18.08.2003)	US

(71) Applicant *(for all designated States except US)*: **AB-METRIX, INC.** [US/US]; 3509 Miller Court, Union City, Ca 94587 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **WANG, Jianfu, Jeffrey** [US/US]; 3509 Miller Court, Union Court, CA 94587 (US). **HU, Weixing, Helen** [US/US]; 3509 Miller Court, Union City, CA 94587 (US).

(74) Agents: **COBURN, Cara, M.** et al.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304 (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, EG, 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, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, 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, 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*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
10 March 2005

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 2004/035742 A3

(54) Title: SETS OF DIGITAL ANTIBODIES DIRECTED AGAINST SHORT EPITOPES, AND METHODS USING SAME

(57) Abstract: The present invention relates generally to sets of digital antibodies directed against short epitopes, and use thereof in methods for protein analysis.