(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 25 May 2001 (25.05.2001)

PCT

(10) International Publication Number WO 01/37518 A3

(51) International Patent Classification⁷: G06F 15/173, 15/16, 15/00

(21) International Application Number: PCT/IL00/00745

(22) International Filing Date:

14 November 2000 (14.11.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

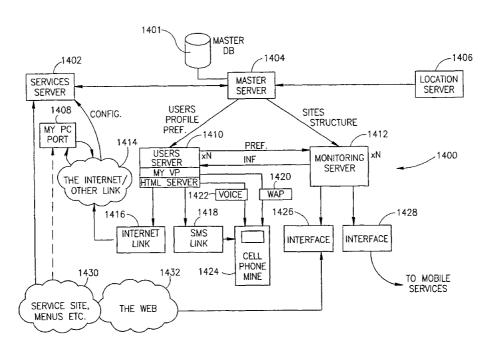
| 132920 | 14 November 1999 (14.11.1999) | II |
|--------|-------------------------------|----|
| 133322 | 5 December 1999 (05.12.1999) | II |
| 134746 | 27 February 2000 (27.02.2000) | II |
| 137602 | 31 July 2000 (31.07.2000) | lL |
| 138816 | 2 October 2000 (02.10.2000) | H |
| 138836 | 3 October 2000 (03.10.2000) | H |
| | | |

(71) Applicant (for all designated States except US): NET-PROX CORPORATION [US/US]; 200 Executive Drive, West Orange, NJ 07052 (US).

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SPIEGEL, Ehud [IL/IL]; 30 Brande Street, 49600 Petach-Tikva (IL). SCHLESINGER, Haim [IL/IL]; 27 Malchey Yehuda Street, 46348 Herzelia (IL). KOREN, Ziv [IL/IL]; 26 Habanim Street, 49935 Kfar-Sirkin (IL). MELINEK, Oded [IL/IL]; 2 Hatavor Street, 55900 Givat Savyon (IL).
- (74) Agents: FENSTER, Paul et al.; Fenster & Company Patent Attorneys, Ltd., P.O. Box 10256, 49002 Petach Tikva (IL).
- (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, 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,

[Continued on next page]

(54) Title: MOBILE SUPPORT SYSTEM



(57) Abstract: Data provision apparatus (1400), comprising: a clip store containing a plurality of definitions of data elements, at least two of said definitions for two different data sources; a data extractor adapted for extracting data matching said definitions, from a plurality of unrelated data sources, said data being arranged by said sources for visual display; and a data pusher adapted for forwarding at least an indication of said extracted data to a user in the form of an alert.



O 01/37518 A3



IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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

17 January 2002

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.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL00/00745

| A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :G06F 15/173, 15/16, 15/00 US CL :709/224, 234, 225; 707/517 According to International Patent Classification (IPC) or to both national classification and IPC | | | | | | |
|---|--|---|--|--|--|--|
| B. FIEL | | | | | | |
| Minimum d | ocumentation searched (classification system followed | by classification symbols) | | | | |
| U.S. : 709/224, 234, 225; 707/517 | | | | | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | | | | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN/CAS | | | | | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | | | | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | | Relevant to claim No. | | | |
| Y,E | US 6,209,009 B1 (SCHWARTZ et al) 27 March 2001, abstract. | | 1-53 | | | |
| Y,P | US 6,138,158 A (BOYLE et al) 24 Oc | 1-53 | | | | |
| Y,P | US 6,128,601 A (VAN HORNE et al) | 1-53 | | | | |
| Y,P | US 6,119,167 A (BOYLE et al) 12 September 2000, abstract. | | 1-53 | | | |
| Y,P | US 6,094,681 A (SHAFFER et al) 25 | 1-53 | | | | |
| | | | | | | |
| Further documents are listed in the continuation of Box C. See patent family annex. | | | | | | |
| * Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | | | ition but cited to understand the | | | |
| | "E" earlier document published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be | | | | | |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other | | considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be | | | | |
| "O" document referring to an oral disclosure, use, exhibition or other means | | considered to involve an inventive combined with one or more other such being obvious to a person skilled in the | step when the document is a documents, such combination | | | |
| | cument published prior to the international filing date but later than priority date claimed | "&" document member of the same patent | family | | | |
| Date of the | actual completion of the international search | Date of mailing of the international sea | rch report | | | |
| 23 MAY 2001 | | 19 JUN 2001 | | | | |
| Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT | | Authorized officer JOHN FOLLANDER R. | Matthews | | | |
| Washington, D.C. 20231 Facsimila No. (703) 305 3230 | | Tolombono No. (702) 205 8408 | | | | |

INTERNATIONAL SEARCH REPORT

International application No. PCT/IL00/00745

| Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet) | | | | |
|---|--|--|--|--|
| This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: | | | | |
| 1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: | | | | |
| 2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: | | | | |
| 3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). | | | | |
| Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet) | | | | |
| This International Searching Authority found multiple inventions in this international application, as follows: | | | | |
| Please See Extra Sheet. | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. | | | | |
| 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. | | | | |
| 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: | | | | |
| | | | | |
| 4. X No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-53 | | | | |
| Remark on Protest The additional search fees were accompanied by the applicant's protest. | | | | |
| No protest accompanied the payment of additional search fees. | | | | |

Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)*

Form PCT/ISA/210 (extra sheet) (July 1998)+

INTERNATIONAL SEARCH REPORT

International application No. PCT/IL00/00745

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING This ISA found multiple inventions as follows:

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid.

Group I, claim(s)1-53, drawn to knowledge based processing based on definitions.

Group II, claim(s) 54-117, drawn to network resource allocation.

Group III, claim(s) 118-136, drawn to combining images for display.

Group IV, claim(s) 137-144, drawn to event monitoring.

Group V, claim(s) 145-153, drawn to network interfacing.

Group VI, claim(s) 154-158, drawn to distributed computing system.

Group VII, claim(s) 159-167, drawn to location monitoring.

Group VIII, claim(s) 168-176, drawn to testing cellular phones.

Group IX, claim(s) 177, drawn to communication system using cyptography.

Group X, claim(s) 178-183, drawn to incorrect unit location.

The inventions listed as Groups I-X do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Group I, lacks the network resource allocation, combining images for display, event monitoring, network interfacing, distributed computer system, location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group II, lacks the combining images for display, event monitoring, network interfacing, distributed computer system, location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group III, lacks the event monitoring, network interfacing, distributed computer system, location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group IV, lacks the network interfacing, distributed computer system, location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group V, lacks the distributed computer system, location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group VI, lacks the location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group VII, lacks the testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group VIII, lacks the communication system using cryptography and incorrect unit location, particulars. Group IX, lacks the incorrect unit location, particulars.