

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 November 2005 (03.11.2005)

PCT

(10) International Publication Number
WO 2005/103987 A3

(51) International Patent Classification⁷: **G06F 17/60**

(21) International Application Number:
PCT/US2005/005746

(22) International Filing Date:
23 February 2005 (23.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/821,540 9 April 2004 (09.04.2004) US

(71) Applicant: **UNITED PARCEL SERVICE OF AMERICA, INC.** [US/US]; 55 Glenlake Parkway, N.E., Atlanta, GA 30328 (US).

AT, AU, AZ, BA, BB, BG, BR, BW, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventor: **MCMAHON, Alan**; 18 Vale of Bonny View, Bonnybridge, FK4 1BP (GB).

Published:
— with international search report

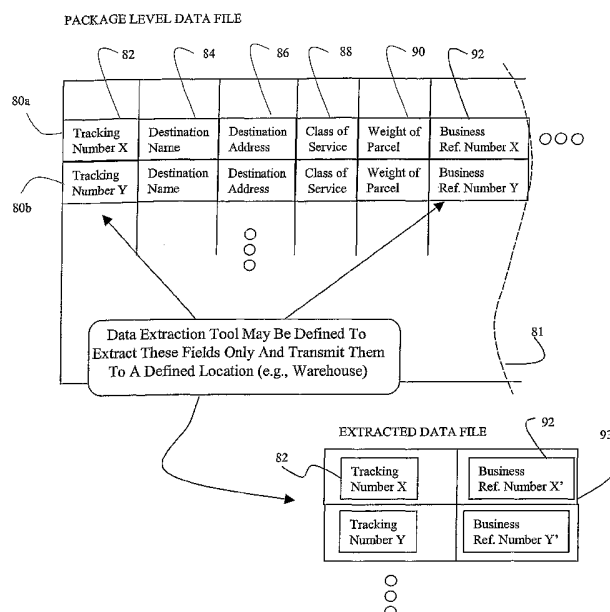
(74) Agents: **KOSTER, Karl, H.** et al.; Alston & Bird LLP, Bank of America Plaza, 101 South Tryon Street, Suite 4000, Charlotte, NC 28280-4000 (US).

(88) Date of publication of the international search report:
23 February 2006

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

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.

(54) Title: DATA EXTRACTION TOOL AND METHODS OF USE



(57) Abstract: The present invention is directed to system and methods for processing parcel level detail (PLD) data received by a shipping system. The shipping system stores the PLD data in a file and associates the PLD data with a tracking number. Based on criteria defined in an extraction configuration file, the shipping system extracts selected data from the PLD data file and writes it to a separate file. The shipping system then communicates the extracted data to a destination based on criteria defined in a communication parameter data file. The shipping system may also transmit the PLD data file to a server operated by the parcel delivery service.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/05746

| A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G06F 17/60 US CL : 705/1 According to International Patent Classification (IPC) or to both national classification and IPC | | |
|--|---|--|
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 705/1 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) Please See Continuation Sheet | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | US 6,047,264 A (FISHER et al) 4 April 2000 (04.04.2000), see abstract, figures 1-5, Column 1 line 56 to Column 2 line 32, Column 3, line 1 to Column 4 line 27. | 1-19 |
| A | US 5,971,587 A (KATO et al) 26 October 1999 (26.10.1999), see entire document | 1-19 |
| A | US 6,463,420 B1 (GUIDICE et al) 8 October 2002, see entire document. | 1-19 |
| A | US 2002/0116241 A1 (SANDHU et al) 22 August 2002, see entire document | 1-19 |
| <input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex. | | |
| * Special categories of cited documents: | | |
| "A" | document defining the general state of the art which is not considered to be of particular relevance | "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 |
| "E" | earlier application or patent published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "L" | document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" | document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family |
| "P" | document published prior to the international filing date but later than the priority date claimed | |
| Date of the actual completion of the international search 30 September 2005 (30.09.2005) | | Date of mailing of the international search report 08 DEC 2005 |
| Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 | | Authorized officer John Weiss Telephone No. 571-272-3600 |

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/05746

Continuation of B. FIELDS SEARCHED Item 3:

East

search terms: shipping, tracking, number, address