

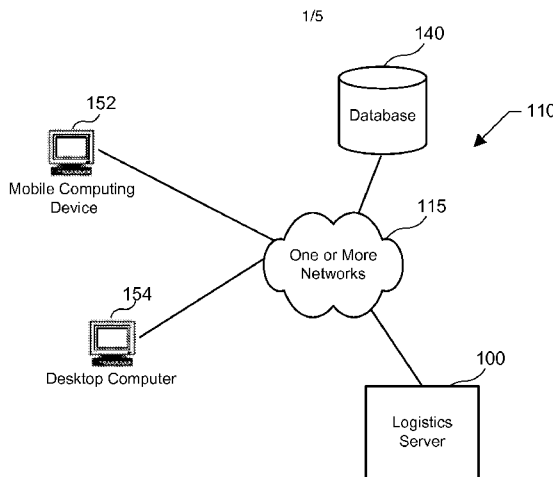


- (51) International Patent Classification: **G06Q 30/00** (2012.01)
- (21) International Application Number: PCT/US2014/023665
- (22) International Filing Date: 11 March 2014 (11.03.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

61/777,968	12 March 2013 (12.03.2013)	US
61/791,008	15 March 2013 (15.03.2013)	US
14/201,354	7 March 2014 (07.03.2014)	US
- (71) Applicant: **UNITED PARCEL SERVICE OF AMERICA, INC.** [US/US]; 55 Glenlake Parkway, Ne, Atlanta, GA 30328 (US).
- (72) Inventor: **SCHENKEN, Christopher**; 55 Glenlake Parkway, NE, Atlanta, GA 30328 (US).
- (74) Agent: **BRIENT, Scott, E.**; Brient Globerman, LLC, 1175 Grimes Bridge Road, Suite 100, Roswell, GA 30075 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,

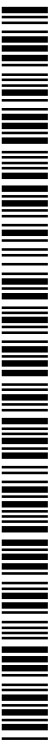
[Continued on next page]

(54) Title: SYSTEMS AND METHODS FOR RANKING POTENTIAL ATTENDED DELIVERY/PICKUP LOCATIONSS



(57) Abstract: A computer system for ranking potential attended delivery/pickup locations is disclosed. In various embodiments, a user or computer system identifies an area in which to establish at least one attended delivery/pickup location. In a particular embodiment, the system receives data associated with potential attended delivery/pickup locations (e.g., attended delivery/pickup location candidates), including the specific characteristics of those candidates. The system then, based at least in part on the characteristics of each of the attended delivery/pickup location candidates, ranks the attended delivery/pickup location candidates and displays the rankings to a user for use in selecting the most suitable candidate for the area.

FIG. 1





MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

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

22 January 2015

Published:

— with international search report (Art. 21(3))

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 14/23665

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06Q 30/00 (2014.01)

CPC - G06Q 10/08

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)

IPC(8): G06Q 30/00 (2014.01)

CPC: G06Q 10/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 705/7.22 or 705/339 or 705/330 IPC(9): G06Q 30/00 (2014.01) CPC: G06Q 10/08 or G06Q 10/0836 or G06Q 30/0601 or G07F 11/007 or G07F 17/12

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Patbase; Google Scholar; delivery, pickup, drop off, locations, value, score, rate, weight, proximity, vicinity, characteristics, properties, attributes,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0016726 A1 (Ross) 07 February 2002 (07.02.2002) entire document (especially para [0028]-[0029], [0038]-[0039], [0061]-[0064])	1-18
Y	US 2009/0106124 A1 (Yang) 23 April 2009 (23.04.2009) entire document (especially para [0093], [0095]-[0099], [0198], [0229]-[0235], [0240], [0251]-[0254], [0276]-[0279])	1-18

Further documents are listed in the continuation of Box C.

* 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 but 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 17 October 2014 (17.10.2014)	Date of mailing of the international search report 25 NOV 2014
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. 571-273-3201	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774