



- (51) International Patent Classification:
G06Q 10/00 (2012.01)
- (21) International Application Number:
PCT/US2012/029491
- (22) International Filing Date:
16 March 2012 (16.03.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/453,794 17 March 2011 (17.03.2011) US
- (71) Applicant (for all designated States except US):
EPROVENANCE, LLC [US/US]; 9 Livermore Road,
Belmont, Massachusetts 02478 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): VOGT, Eric [US/US];
9 Livermore Road, Belmont, Massachusetts 02178 (US).
- (74) Agents: LANZA, John, D. et al.; Foley & Lardner LLP,
111 Huntington Avenue, Boston, MA 02199 (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, 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, IS, JP, KE, KG, KM, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, MD, 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, 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, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

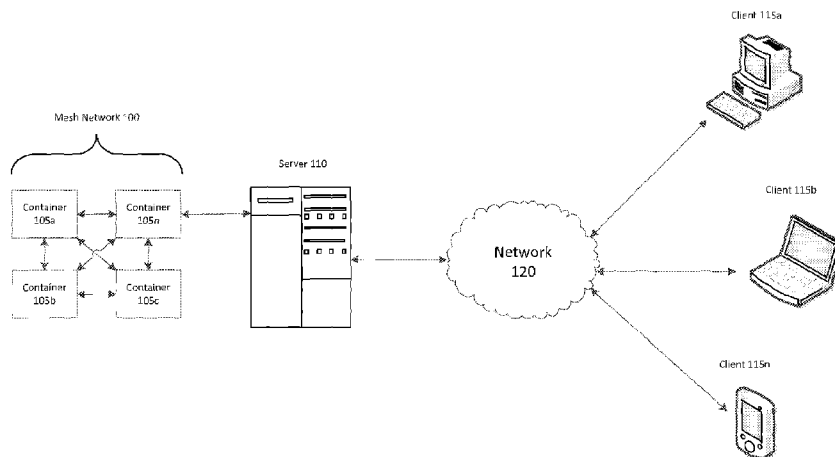
- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))

Published:

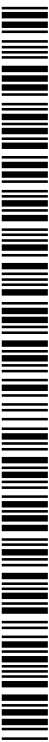
- with international search report (Art. 21(3))

- (88) Date of publication of the international search report:
8 May 2014

(54) Title: METHODS AND SYSTEMS FOR SECURING CHATTELS



(57) Abstract: Systems and methods of securing chattels are provided. Motion of a first container can be measured by a sensor over an interval of time and compared to motion of a second container. A relative difference between the motion of the first container and the motion of the second container over the interval of time can be calculated by a data processing circuit. A determination can be made by the data processing circuit that the relative difference in motion of the containers exceeds a predetermined threshold. An alert that the threshold has been exceeded can be transmitted by a transmitting circuit to a remote server. A SIM card and a modem can be associated with a container. Information corresponding to the location and identification of the SIM card can be received by the modem. The location and identification information can be transmitted by the modem to a remote server.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/029491

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - G06Q 10/00 (2012.01)
 USPC - 705/28
 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 10/00; G08B 1/08; H04W 4/14 (2012.01)
 USPC - 340/526, 993; 705/28

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)
 PatBase, Google Patents, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/0215532 A1 (BOMAN et al) 28 October 2004 (28.10.2004) entire document	1-24
Y	US 6,656,135 B2 (ZOGBI et al) 02 December 2003 (02.12.2003) entire document	1-14
Y	US 2008/0120201 A1 (VELAZQUEZ et al) 22 May 2008 (22.05.2008) entire document	5, 10
Y	US 2010/0214092 A1 (MAURO et al) 26 August 2010 (26.08.2010) entire document	15-24
Y	US 2008/0294302 A1 (BASIR) 27 November 2008 (27.11.2008) entire document	16, 24
Y	US 2009/0227270 A1 (NAAMAN) 10 September 2009 (10.09.2009) entire document	17
A	US 6,751,969 B1 (MORAN et al) 22 June 2004 (22.06.2004) entire document	1-24
A	US 2010/0130229 A1 (SRIDHARA et al) 27 May 2010 (27.05.2010) entire document	1-24

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
08 June 2012

Date of mailing of the international search report
20 JUN 2012

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:
 Blaine R. Copenheaver
 PCT Helpdesk: 571-272-4300
 PCT OSP: 571-272-7774