

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 September 2006 (28.09.2006)

PCT

(10) International Publication Number
WO 2006/100581 A3

(51) International Patent Classification:

G06Q 30/00 (2006.01) G07D 7/00 (2006.01)

(21) International Application Number:

PCT/IB2006/000668

(22) International Filing Date: 24 March 2006 (24.03.2006)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:

TS2005A000005 24 March 2005 (24.03.2005) IT

(71) Applicants (for all designated States except US): **ARTI GRAFICHE JULIA S.P.A.** [IT/IT]; Via Travnik, 7, I-34018 San Dorligo Della Valle (IT). **EDISTAR SRL** [IT/IT]; Via dell'Artigianato, 1, I-31050 Veduggio (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LAPENNA, Adriano** [IT/IT]; Via C. de Rittmeyer, 5, I-34100 Trieste (IT). **LOSA, Luca** [IT/IT]; Via Ticino, 30, I-20089 Rozzano, Frazione QUINTO STAMPI (IT). **VINCENZI, Mauricio, Jorge** [IT/IT]; Via Vespucci, 21, I-31033 Castelfranco Veneto (IT).

(74) Agent: **ALAGEM, MODIANO, Lara, S.**; Modiano & Associati, Via Meravigli, 16, I-20123 Milano (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, 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, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, 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, US, 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, LV, 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).

Published:

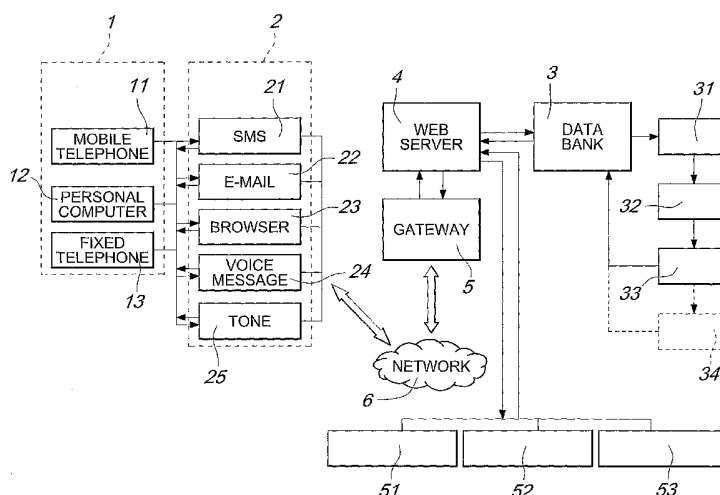
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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

28 December 2006

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR THE ANALYSIS OF SECURITY STRINGS TO BE ASSOCIATED TO GOODS SUCH AS PRODUCTS OR SERVICES



(57) Abstract: A system for analyzing security codes or strings applied to goods, comprising means for generating a plurality of strings which can be associated uniquely with respective goods and means for applying each of the strings to the respective item of goods, wherein the system further comprises: a data bank (3), which stores the strings and, for each string, a description of the respective item of goods; a communications network (6); a Web server (4), which is connected to the communications network (6) and to the data bank (3); data communications means (1) for sending to the Web server (4), via the communications network (6), a request which comprises a string to be checked and receiving a data communications reply; the Web server (4) comprising a memory which stores instructions for checking whether the string to be checked matches a string of the plurality of strings stored at the data bank (3) and for sending to the data communications means (1) a data communications reply which contains the outcome of the check.



WO 2006/100581 A3



(15) Information about Correction:

Previous Correction:

see PCT Gazette No. 49/2006 of 7 December 2006

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/IB2006/000668

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06Q30/00 G07D7/00

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)
G06Q G07D

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 practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/18677 A (ASSURE SYSTEMS, INC; DOLJACK, FRANK, A; NICELY, MARK, C; DERBYSHIRE, R) 15 March 2001 (2001-03-15) page 4, last paragraph - page 5, paragraph 1 page 11, paragraph 1 page 13, paragraph 2 - page 14, paragraph 3 page 17, last paragraph - page 19, paragraph 1 ----- -/--	1-14

☒ Further documents are listed in the continuation of Box C.

☒ 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
- *E* earlier document but published on or after the international filing date
- *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)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *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
- *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
- *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.
- *Z* document member of the same patent family

Date of the actual completion of the international search

26 September 2006

Date of mailing of the international search report

18/10/2006

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Aguilar, José María

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2006/000668

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/019791 A1 (WHYTE GARRY R) 29 January 2004 (2004-01-29) abstract; figures paragraph [0008] paragraph [0029] paragraphs [0035] - [0037] paragraphs [0039] - [0041] paragraphs [0061] - [0063] paragraphs [0078], [0079] -----	1-14
X	DATABASE EPODOC EUROPEAN PATENT OFFICE, THE HAGUE, NL; CN1409256 9 April 2003 (2003-04-09), WANG HAI: "Interactive digital short message (sms, ems, mms) anti-fake method." XP002400548 abstract & CN 1 409 256 A (WANG HAI) 9 April 2003 (2003-04-09) -----	1-14
X,P	DE 10 2004 032113 A1 (GESELLSCHAFT ZUR FOERDERUNG ANGEWANDTER INFORMATIK EV) 19 January 2006 (2006-01-19) abstract; figures -----	1-14
P,X	EP 1 524 616 A (FAST ACCURATE DEVELOPMENTS LIMITED) 20 April 2005 (2005-04-20) the whole document -----	1-14
A	EP 1 318 486 A (FRACTURE CODE CORPORATION APS) 11 June 2003 (2003-06-11) abstract; figures paragraph [0079] -----	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2006/000668

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0118677	A	15-03-2001	AU 7827000 A CA 2382874 A1 EP 1222595 A2	10-04-2001 15-03-2001 17-07-2002
US 2004019791	A1	29-01-2004	NONE	
CN 1409256	A	09-04-2003	NONE	
DE 102004032113	A1	19-01-2006	NONE	
EP 1524616	A	20-04-2005	NONE	
EP 1318486	A	11-06-2003	AU 2002347351 A1 CA 2413898 A1 WO 03049047 A1 GB 2383878 A HU 0402614 A2 JP 2005511352 T MX PA04005404 A NZ 533825 A US 2003121984 A1 ZA 200404116 A	17-06-2003 07-06-2003 12-06-2003 09-07-2003 28-06-2005 28-04-2005 23-03-2005 31-03-2006 03-07-2003 12-08-2005