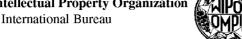
# (19) World Intellectual Property Organization





#### (43) International Publication Date 21 February 2008 (21.02.2008)

## (10) International Publication Number WO 2008/021581 A3

- (51) International Patent Classification: G06Q 99/00 (2006.01)
- (21) International Application Number:

PCT/US2007/062603

(22) International Filing Date:

22 February 2007 (22.02.2007)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/775,745

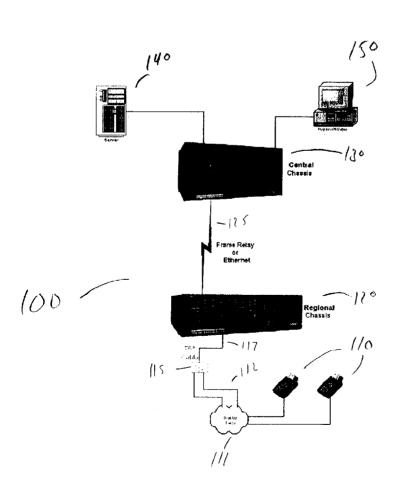
22 February 2006 (22.02.2006) US

- (71) Applicant (for all designated States except US): HYPER-COM CORPORATION [US/US]; 2851 West Kathleen Road, Phoenix, AZ 85053 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SANCHEZ, Javier [US/US]; Phoenix, AZ (US). CHEUNG, Tk.

- (74) Agent: CAPLAN, David, O.; Snell & Wilmer L.L.P., One Arizona Center, 400 East Van Buren Street, Phoenix, AZ 85004-2202 (US).
- (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, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, 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,

[Continued on next page]

(54) Title: SECURE ELECTRONIC TRANSACTION SYSTEM



(57) Abstract: Systems methods for the secure processing of electronic transactions are disclosed. In accordance with an exemplary embodiment, a system and method for the secure processing of electronic transactions comprises: receiving, by a POS terminal, information for a financial transaction card; receiving, by the POS terminal, information for a financial transaction; encrypting, by the POS terminal, the financial card information and the financial transaction information into a first encrypted message; transmitting the first encrypted message to a regional chassis; encrypting, by the regional chassis, the first encrypted message into a second encrypted message; transmitting the second encrypted message to a central chassis; decrypting, by the central chassis, the second encrypted message into a decrypted message; and transmitting the decrypted message to a host processor for authorization.



### WO 2008/021581 A3



RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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

#### **Published:**

with international search report

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

3 April 2008

### INTERNATIONAL SEARCH REPORT

International application No. PCT/US 07/62603

A. CLASSIFICATION OF SUBJECT MATTER  IPC(8) - G06Q 99/00 (2007.10)  USPC - 705/64				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
USPC: 705/	ocumentation searched (classification system followed by 64	classification symbols)		
	ion searched other than minimum documentation to the ex 16, 38, 44, 64, 67;713/155,168,170	tent that such document	s are included in the	fields searched
USPTO WES Search Term	ata base consulted during the international search (name of ST (PGPUB,USPAT,USOCR,EPAB,JPAB); GOOGLE S is Used: point of sale (POS)/virtual point of sale (vPOS nessage encryption, automated clearinghouse (ACH) ho	cholar ) card reading, secure e	electronic transactio	n (SET), financial
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ar	propriate, of the releva	ant passages	Relevant to claim No.
X	US 6,373,950 B1 (ROWNEY) 16 April 2002 (16.04.200 Abstract, Col 1, Ln 8 - Col 4, Ln 64, Col 6, Ln 65 - Col Col 87, Ln 58 - Col 93, Ln 15		5 - Col 70, Ln 45,	1
X	US 2004/0107170 A1 (LABROU et al.) 03 June 2004 (03.06.2004) Abstract, Para [0055]-[0060], [0112]-[0418]			1
Α	US 2003/0120936 A1 (FARRIS et al.) 26 June 2003 (26.06.2003) Entire Document			1
A	US 2003/0125969 A1 (KIZER et al.) 03 July 2003 (03.07.2003) Entire Document			1
A	US 6,947,908 B1 (SLATER) 20 September 2005 (20.09.2005) Entire Document			1
			ı	
Furthe	or documents are listed in the continuation of Box C.	. []		<u> </u>
* Special categories of cited documents: "T" later document published after the international filing date or priority				
"A" document defining the general state of the art which is not considered to be of particular relevance  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 "X" document of particular relevance; the filing date considered novel or cannot be considered novel or cann			ered to involve an inventive	
"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)  step when the document is taken along document of particular relevance; the considered to involve an inventive			claimed invention cannot be	
"O" document referring to an oral disclosure, use, exhibition or other means combined with one or more other such being obvious to a person skilled in the			locuments, such combination	
"P" document published prior to the international filing date but later than "&" document member of the same patent fitthe priority date claimed			family	
Date of the actual completion of the international search  Date of mailing of the international search report				
23 November 2007 (23.11.2007) <b>29 JAN 2008</b>				
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US, Commissioner for Patents  Authorized officer:  Lee W. Young				
P.O. Box 145	io, Alexandria, Virginia 22313-1450	PCT Helpdesk: 571-272-4300	•	SBrown
racsimile N	o. 571-273-3201	PCT OSP: 571-272-7774		p Now Com