

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 September 2007 (27.09.2007)

PCT

(10) International Publication Number
WO 2007/109385 A3

- (51) International Patent Classification:
A63F 9/24 (2006.01)
- (21) International Application Number:
PCT/US2007/061574
- (22) International Filing Date: 2 February 2007 (02.02.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11/277,026 20 March 2006 (20.03.2006) US
- (71) Applicant (for all designated States except US): **CYBER-SCAN TECHNOLOGY, INC.** [US/US]; Two Palo Alto Square, Suite 500, Palo Alto, CA 94306-2122 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GATTO, Jean-Marie** [FR/GB]; 46 Parkside, 29-46 Knightsbridge, London SW1X7JP (GB). **BENEY, Pierre-Jean** [FR/GB]; 9 Queensbury Mews West, London SW7 2DU (GB). **BRUNET DE COURSSOU, Thierry** [FR/US]; 975 Seven Hills Dr., Apt. 3027, Henderson, NV 89052 (US).
- (74) Agent: **YONG, Alan, W.**; YOUNG LAW FIRM, P.C., 4370 Alpine Road, Suite 106, Portola Valley, CA 94028 (US).

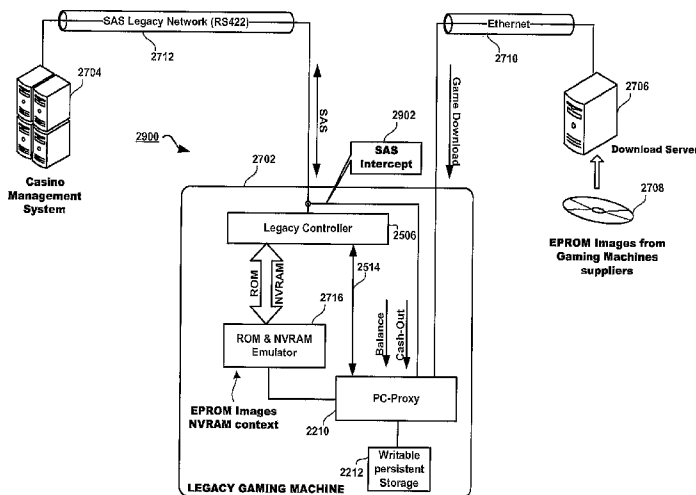
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, 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, 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

[Continued on next page]

(54) Title: UNIVERSAL GAME DOWNLOAD SYSTEM FOR LEGACY GAMING MACHINES USING ROM AND NVRAM EMULATION



(57) Abstract: A universal method and system for downloading game software to ROM based legacy gaming machines, activating selected games and providing new services. The method includes a ROM emulator for replacing the game program image and an NVRAM emulator for swapping the game context and critical meters accordingly. The method includes detection of the state of the current game activity such as to activate a new game only at an authorized time, when no player is playing a game or is carded-in for example. The system includes emulation of the original peripherals fitted to the legacy gaming machine such as to offer extended functionality and services. The universal method and system therefore prolongs the useful life of legacy machines which otherwise would be prematurely retired.

WO 2007/109385 A3



(88) Date of publication of the international search report:
24 April 2008

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/61574

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A63F 9/24 (2007.01) USPC - 463/43 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) USPC: 463/43 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 463/29; 717/170, 177 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST(USPT,PGPB,EPAB,JPAB); DialogPRO; WIPO, EPO, CITESEER, Google patents, Google scholar Search Terms Used: gaming console system machine legacy emulate emulation emulator ROM RAM Microsoft monitor control payment		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 2006/0046824 A1 (SILVA et al.) 2 March 2006 (02.03.2006), entire document, especially abstract, Fig 3, 7, 11, para [0009]-[0018], para [0136]-[0139]	1-3, 5-6, 9, 12-29, 31-32, 35-59 4, 7-8, 10-11, 30, 33-34
Y	US 2005/0282637 A1 (GATTO et al.) 22 December 2005 (22.12.2005) entire document especially para [0022], para [0154], para [0167]	4, 7-8, 10-11, 30, 33-34
A	US 2006/0046819 A1 (NGUYEN et al.) 2 March 2006 (02.03.2006), entire document	1-59
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>		
* 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 application or patent 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 "&" document member of the same patent family		
Date of the actual completion of the international search 8 October 2007 (08.10.2007)		Date of mailing of the international search report 28 FEB 2008
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