

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
20 March 2008 (20.03.2008)

PCT

(10) International Publication Number  
**WO 2008/033416 A3**

- (51) **International Patent Classification:**  
G06F 7/04 (2006.01)
- (21) **International Application Number:**  
PCT/US2007/0 19845
- (22) **International Filing Date:**  
11 September 2007 (11.09.2007)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**  
60/843,697 11 September 2006 (11.09.2006) US
- (71) **Applicant (for all designated States except US):** PELCO [US/US]; 3500 Pelco Way, Clovis, CA 93612-5699 (US).
- (72) **Inventor:** MILLAR, Greg, Max; 32121 Bass Field Road, Coarsegold, CA 93614 (US).
- (74) **Agent:** KASHIMBA, Paul, T.; Pelco, 3500 Pelco Way, Clovis, CA 93612-5699 (US).

- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, 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, MT, 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

[Continued on next page]

(54) **Title:** METHOD OF AND APPARATUS FOR FACILITATING PASSWORD ACCESS TO A DEVICE

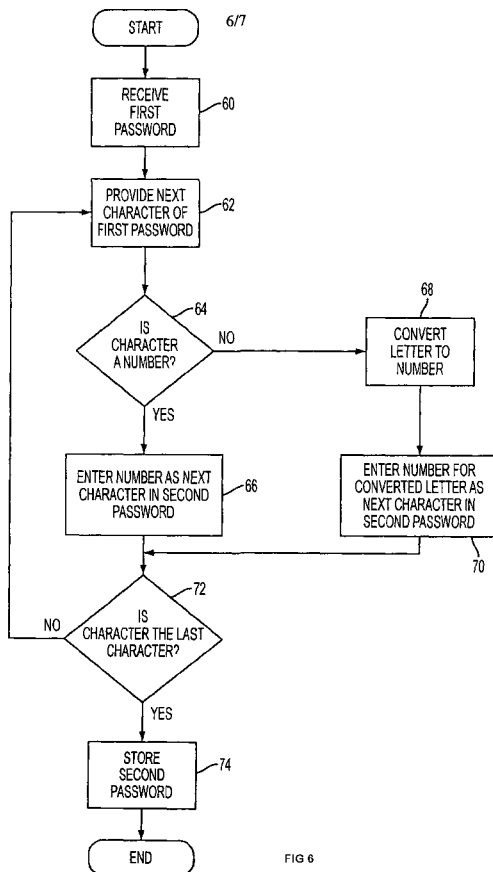


FIG 6

(57) **Abstract:** A method of and apparatus for allowing a user to access an electronic device by entering a password from a first device having alphabetic letter keys and numerical digit keys and a second device having primarily numerical digit keys comprising creating an alphabetic letter conversion relationship between the alphabetic letter keys of the first device with the numerical digit keys of the second device, creating a numerical digit conversion relationship between the numerical digit keys of the first device with the numerical digit keys of the second device, receiving a first password entered from the first device having alphabetic letter keys and numerical digit keys, converting the first password to a second password that can be entered from the second device having primarily numerical digit keys by using the alphabetic letter conversion relationship and the numerical digit conversion relationship, (figure 6, 68) and allowing a user to access the electronic device if the user enters the first password or the second password.

WO 2008/033416 A3



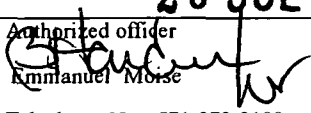
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

**(88) Date of publication of the international search report:**  
9 October 2008

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/19845

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC: G06F 7/04( 2006.01)  USPC: 726/19 According to International Patent Classification (IPC) or to both national classification and IPC														
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 726/19  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Google, IEEE, ACM  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)														
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>														
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.												
Y	US 2006/0037081 A1 (Moses et al.) 16 February 2006 (16.02.06), figure 1, page 2, pp 18-19	1-14												
Y	US 6,480,958 B1 (Harrington) 12 November 2002 (12. 11.2002), column 5, line 32-column 6, line 65	1-14												
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.														
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">* Special categories of cited documents</td> <td style="width: 50%; padding: 5px;">"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</td> </tr> <tr> <td style="padding: 5px;">"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td style="padding: 5px;">"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</td> </tr> <tr> <td style="padding: 5px;">"E" earlier application or patent published on or after the international filing date</td> <td style="padding: 5px;">"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</td> </tr> <tr> <td style="padding: 5px;">"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)</td> <td style="padding: 5px;">"&amp;*" document member of the same patent family</td> </tr> <tr> <td style="padding: 5px;">"O" document referring to an oral disclosure, use, exhibition or other means</td> <td></td> </tr> <tr> <td style="padding: 5px;">"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			* Special categories of cited documents	"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	"A" document defining the general state of the art which is not considered to be of particular relevance	"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	"E" earlier application or patent published on or after the international filing date	"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	"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)	"&*" document member of the same patent family	"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	
* Special categories of cited documents	"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													
"A" document defining the general state of the art which is not considered to be of particular relevance	"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													
"E" earlier application or patent published on or after the international filing date	"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													
"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)	"&*" document member of the same patent family													
"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														
Date of the actual completion of the international search 12 June 2008 (12.06.2008)		Date of mailing of the international search report <b>28 JUL 2008</b>												
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 223 13-1450 Facsimile No. (571) 273-3201		Authorized officer  Emmanuel Moise Telephone No. 571-272-2100												