

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number  
**WO 2004/015515 A2**

- (51) International Patent Classification<sup>7</sup>: **G06F**
- (21) International Application Number:  
PCT/SG2002/000227
- (22) International Filing Date: 4 October 2002 (04.10.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
PCT/SG02/00171 31 July 2002 (31.07.2002) SG
- (71) Applicant (for all designated States except US): **TREK 2000 INTERNATIONAL LTD.** [SG/SG]; 30 Loyang Way #07-13/14/15, Loyang Industrial Estate, Singapore 508769 (SG).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **OOI, Chin, Shyan, Raymond** [MY/SG]; Blk 438, Tampines St. 43 #08-157,

Singapore 520438 (SG). **LIM, Lay, Chuan** [MY/SG]; Blk 322, Bukit Batok St. 33 #03-04, Singapore 650322 (SG). **POO, Teng, Pin** [MY/SG]; Blk 44 Bedok South Road #11-763, Singapore 460044 (SG). **TAN, Henry** [SG/SG]; 1 Palm Drive, Singapore 456458 (SG).

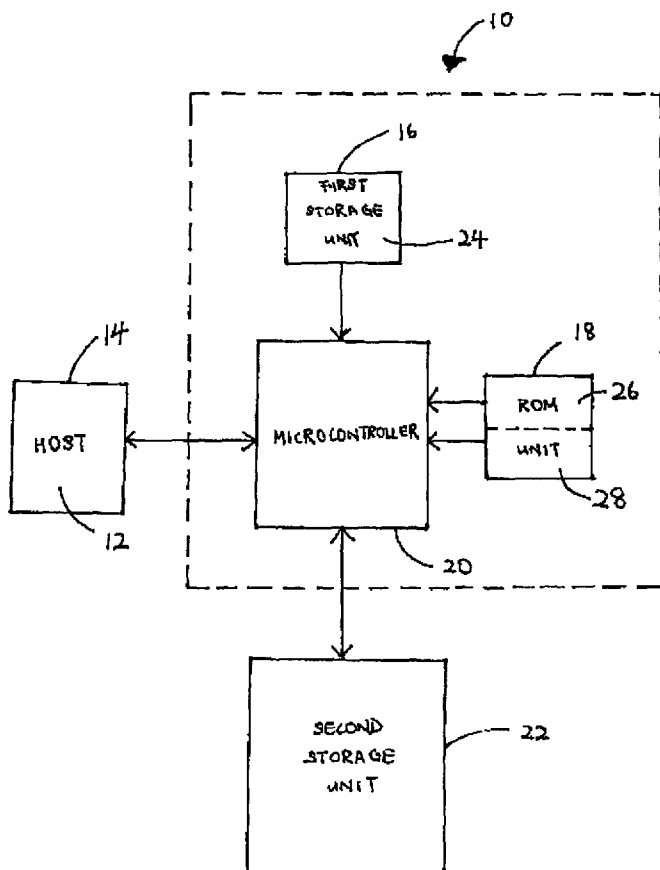
(74) Agent: **WATKIN, Timothy, Lawrence, Harvey**; Lloyd Wise, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR AUTHENTICATION



(57) Abstract: An authentication system to verify a password is provided. The authentication system includes a first storage unit to store an authentication sequence and a read-only memory unit on which an authentication algorithm is programmed. A microcontroller is coupled to the first storage unit, the read-only memory unit and a web server. The microcontroller receives the password and executes the authentication algorithm to verify the password with the authentication sequence. A second storage unit is coupled to the microcontroller to store data from the web server. Access to a second storage unit is permitted by the microcontroller only if the password has been verified.



Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,  
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— *of inventorship (Rule 4.17(iv)) for US only*

**Published:**

— *without international search report and to be republished  
upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*