

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

**EP 1 162 531 A3**

(12)

**EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**28.05.2003 Bulletin 2003/22**

(51) Int Cl.<sup>7</sup>: **G06F 1/00**

(43) Date of publication A2:  
**12.12.2001 Bulletin 2001/50**

(21) Application number: **01112723.0**

(22) Date of filing: **25.05.2001**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR**  
Designated Extension States:  
**AL LT LV MK RO SI**

(30) Priority: **09.06.2000 US 589747**

(71) Applicant: **TRW Inc.**  
**Redondo Beach, California 90278 (US)**

(72) Inventors:  
• **Siegel, Neil G.**  
**Rancho Palos Verdes, CA 90275 (US)**

• **Kozel, Ronald J.**  
**Redondo Beach, CA 90278 (US)**  
• **Bixler, David C.**  
**Hermosa Beach, CA 90254 (US)**

(74) Representative: **Schmidt, Steffen J., Dipl.-Ing.**  
**Wuesthoff & Wuesthoff,**  
**Patent- und Rechtsanwälte,**  
**Schweigerstrasse 2**  
**81541 München (DE)**

(54) **System and method for distributed network access and control enabling high availability, security and survivability**

(57) A system, method and computer program that administers access and security on a network having more than one computer system connected thereto. This system, method and computer program has a local password file (1500) which is one-way encrypted and contains user identifications, associated one-way encrypted passwords and associated privileges for each authorized user allowed access to the wide area network (10). A user login module (1200) is used to receive a user identification or role and password from a user and login the user when a match is found in the local password file (1500). A channel monitoring and filtering module (1000) is provided to monitor and receive broadcast or multicast messages within the wide area network (10) and display the message to the user when the us-

er's associated privileges permit the viewing of the message. This system, method and computer program also has a password management module (1300) to update and insure that all the computers in the network contain the same local password file (1500). A remote auditing module (1400) is provided to monitor and process anomalous events which may occur on a user's computer. A remote control module is also provided to enable a systems administrator or security officer to take appropriate action when a critical event transpires. An authentication module is also provided to enable a system administrator or security officer an option to check and confirm a password entered by a user for reauthentication.

**EP 1 162 531 A3**

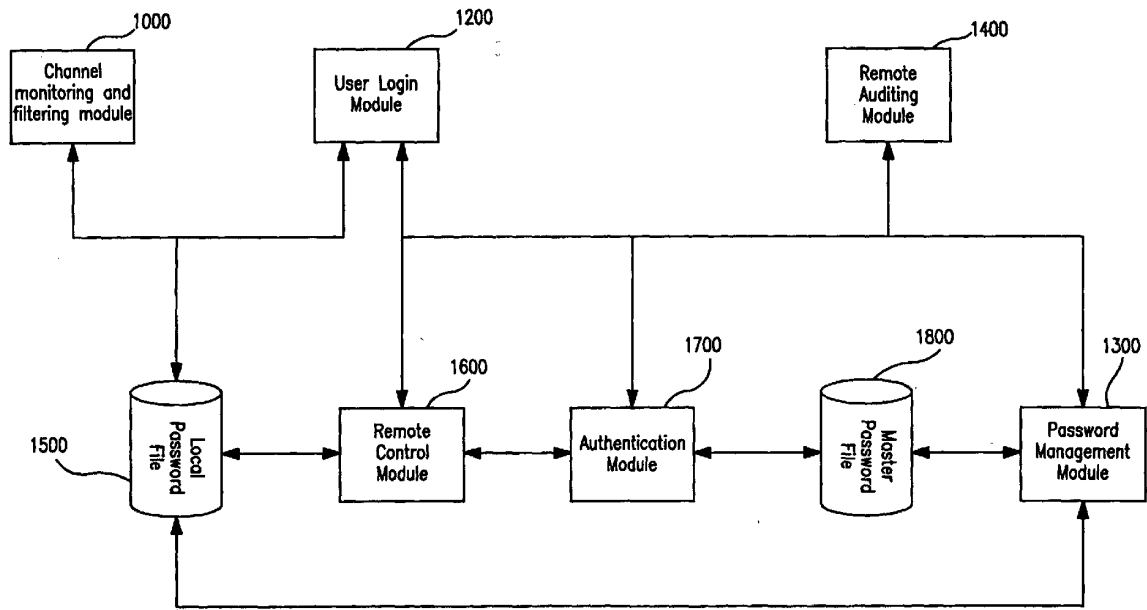


FIG. 2



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 01 11 2723

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "UNIX SECURITY IN A SUPERCOMPUTING ENVIRONMENT" PROCEEDINGS OF THE SUPERCOMPUTING CONFERENCE. RENO, NOV. 13 - 17, 1989, NEW YORK, IEEE, US, vol. CONF. 2, 13 November 1989 (1989-11-13), pages 693-698, XP000090939 ISBN: 0-89791-341-8 * the whole document * ---	1-24	G06F1/00
A	WO 99 57625 A (PRC INC ;HUFF JULIE LYNN (US); JACKSON SHEILA ANN (US); SHELANSKEY) 11 November 1999 (1999-11-11) * the whole document * -----	4-7,9, 10, 13-16, 21-23	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G06F
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 1 April 2003	Examiner Meis, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 11 2723

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

01-04-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9957625 A	11-11-1999	US 6408391 B1	18-06-2002
		AU 3768899 A	23-11-1999
		CA 2331566 A1	11-11-1999
		GB 2353885 A	07-03-2001
		WO 9957625 A1	11-11-1999
-----			