(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 20 February 2003 (20.02.2003)

PCT

(10) International Publication Number WO 03/014860 A3

(51) International Patent Classification⁷: G06F 11/30, 12/14

H04L 9/00,

(21) International Application Number: PCT/IB02/02991

(22) International Filing Date: 1 August 2002 (01.08.2002)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 09/922,440

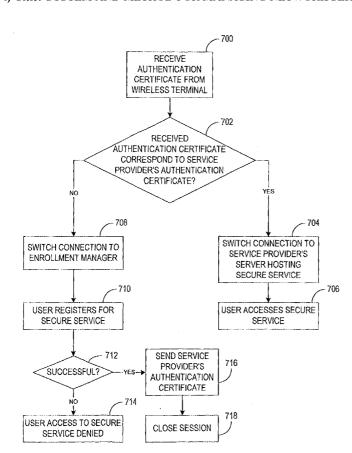
3 August 2001 (03.08.2001) US

- (71) Applicant: NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, F-02150 ESPOO (FI).
- (71) Applicant (for LC only): NOKIA INC. [US/US]; 6000 Connection Drive, Irving, TX 75039 (US).
- (72) Inventor: LAHTEENMAKI, Markku; Aino Ackten tie 10 b 15, FIN-00400 Helsinki (FI).

- (74) Agent: FUNK, Steven, R.; Crawford PLLC, 1270 Northland Drive, Suite 390, St. Paul, MN 55120 (US).
- (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, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), 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).

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR MANAGING NETWORK SERVICE ACCESS AND ENROLLMENT



(57) Abstract: A system and method for automatically switching network connections to an appropriate network entity based on access rights possessed by a user of a wireless terminal. A switch recognizes the certificate provided by a terminal (702), and directs the connection to the service provider hosting a targeted secure service if the certificate proves to have the appropriate access rights (704). The switch directs the connection to an enrollment module (708) if the certificate does not correspond to the service provider's required certificate, where the user can attempt to obtain the appropriate certificate from the enrollment module (710) to ultimately access the targeted secure service (706).

WO 03/014860 A3

WO 03/014860 A3



Published:

with international search report

(88) Date of publication of the international search report: 5 June 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB02/02991

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :H04L 9/00, 9/32; G06F 11/30, 12/14 US CL : 713/155-158, 175, 176, 200-202 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)			
U.S. : 713/155-158, 175, 176, 200-202			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
Please See Extra Sheet.			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category* Citation of	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Y US 5,339	US 5,339,403 A (PARKER) 16 August 1994, see entire document		
Y US 5,715	US 5,715,403 A (STEFIK) 03 February 1998, see entire document		
A US 6,035	US 6,035,402 A (VAETH et al) 07 March 2000		1-33
Further documents	are listed in the continuation of Box C	C. See patent family annex.	
* Special categories of cited documents: "T		"T" later document published after the inte	ernational 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 appl the principle or theory underlying th	
"E" earlier document published on or after the international filing date		'X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		when the document is taken alone 'Y" document of particular relevance; the claimed invention cannot be	
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		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	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
		Date of mailing of the international search report	
06 JANUARY 2003		11 FEB 2003	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks		Authorized officer Copy Harrod	
Box PCT Washington, D.C. 20231		GAIL HAYES	
Facsimile No. (703) 305-3230		Telephone No. (703) 305-9618	

INTERNATIONAL SEARCH REPORT

International application No. PCT/IB02/02991

B. FIELDS SEARCHED Electronic data bases consulted (Name of data base and where practicable terms used):			
BRS (files: USPAT, EPO, JPO, IBM TDB's, US PGPubs, DERWENT), DIALOG (files: COMPSCI, ELECTRON, SOFTWARE)			
search terms: certificate, register, registering, registered, registration, initial, initialization, initializing, initialized, set, setting, create, creation, created, creating, assign, assignment, assigning, assigned, invoke, invoking, invoked, right, rule, permission, privileg, acl			