PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶:

G06F 9/46

A3

(11) International Publication Number: WO 99/44296

(43) International Publication Date: 2 September 1999 (02.09.99)

(21) International Application Number: PCT/US99/03222

(22) International Filing Date: 16 February 1999 (16.02.99)

(30) Priority Data:

60/076,048 26 February 1998 (26.02.98) US 09/044,932 20 March 1998 (20.03.98) US

(71) Applicant: SUN MICROSYSTEMS, INC. [US/US]; 901 San Antonio Road, MS UPAL01-521, Palo Alto, CA 94303 (US).

(72) Inventors: ARNOLD, Kenneth, C., R., C.; 7 Moon Hill Road, Lexington, MA 02173 (US). WOLLRATH, Ann, M.; 9 Northwoods Road, Groton, MA 01450 (US). WALDO, James, H.; 155 Ruby Road, Dracut, MA 01826 (US).

(74) Agents: GARRETT, Arthur, S.; Finnegan, Henderson, Farrabow, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315 (US) et al.

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

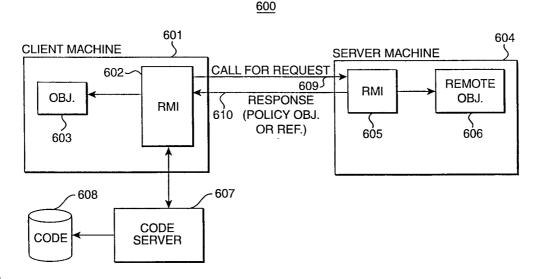
Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(88) Date of publication of the international search report: 28 October 1999 (28.10.99)

(54) Title: APPARATUS AND METHOD FOR DYNAMICALLY VERIFYING INFORMATION IN A DISTRIBUTED SYSTEM



(57) Abstract

Use of a policy object for verification in a distributed system. A machine downloads a policy object containing a reference to code governing verification of data. The machine uses the reference to obtain the code and locally verify data or other information. As particular rules for the data change, the policy object may be updated to provide a reference to the code for the new rules when it is downloaded.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	ТJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
\mathbf{BF}	Burkina Faso	GR	Greece		Republic of Macedonia	TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
ВJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
\mathbf{BY}	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NO	Norway	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand		
CM	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		
					• •		

INTERNATIONAL SEARCH REPORT

International Application No PCT/IIS QQ/03222

PCT/US 99/03222 A. CLASSIFICATION OF SUBJECT MATTER IPC 6 G06F9/46 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) IPC 6 G06F 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 practical, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No Α US 5 553 282 A (PARRISH JEFF W ET AL) 1-22 3 September 1996 (1996-09-03) column 3, line 32 - column 4, line 58 column 8, line 17 - column 10, line 36 Α WO 96 10787 A (RECOGNITION INT INC) 1,2,4-7,11 April 1996 (1996-04-11) 9-12, 14-17 19-22 page 5, line 19 - page 8, line 18
page 27, line 1 - page 31, line 12
page 32, line 28 - page 45, last last Α EP 0 778 520 A (SUN MICROSYSTEMS INC) 1-2511 June 1997 (1997-06-11) -/--Further documents are listed in the continuation of box C. X Patent family members are listed in annex. ° 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 "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a $\,$ person skilled in the art. other means "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 the actual completion of the international search Date of mailing of the international search report 20 August 1999 30/08/1999 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Bijn, K

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 99/03222

0 (0		PC1/US 99/03222			
Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Category	Challott of document, with indication, where appropriate, or the relevant passages	nelevant to claim No.			
A	US 5 423 042 A (JALILI REZA ET AL) 6 June 1995 (1995-06-06) 	1,4-6, 9-11, 14-16, 19-22			

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/US 99/03222

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5553282	Α	03-09-1996	NONE	
WO 9610787	A	11-04-1996	AU 3415595 A US 5838970 A	26-04-1996 17-11-1998
EP 0778520	Α	11-06-1997	US 5692047 A AU 7185696 A CA 2190556 A JP 10011281 A	25-11-1997 12-06-1997 09-06-1997 16-01-1998
US 5423042	Α	06 -06-1995	JP 7006111 A JP 8027774 B	10-01-1995 21-03-1996