PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

G06F 17/30

(11) International Publication Number: WO 99/63416

(43) International Publication Date: 9 December 1999 (09.12.99)

FI

(21) International Application Number:

PCT/FI99/00462

(22) International Filing Date:

27 May 1999 (27.05.99)

(30) Priority Data:

981214

29 May 1998 (29.05.98)

(71) Applicant (for all designated States except US): ALMA ME-DIA OYJ [FI/FI]; Eteläesplanadi 14, FIN-00100 Helsinki

(72) Inventors; and

- (75) Inventors/Applicants (for US only): TURPEINEN, Marko [FI/FI]; Hanikka 40 C, FIN-02360 Espoo (FI). MAUNO, Jukka [FI/FI]; Perustie 16 A 6, FIN-00330 Helsinki (FI). MIETTINEN, Jorma [FI/FI]; Riilahdentie 45 A, FIN-02260 Espoo (FI). MÄKILÄ, Raimo [FI/FI]; Haltiakuja 5 A 4, FIN-04230 Kerava (FI). NIEMINEN, Jaakko [FI/FI]; FIN-07530 Onkimaa (FI). SAARI, Timo [FI/FI]; Listakatu 13 B 13, FIN-33400 Tampere (FI).
- (74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).

(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), 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, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, 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,

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:

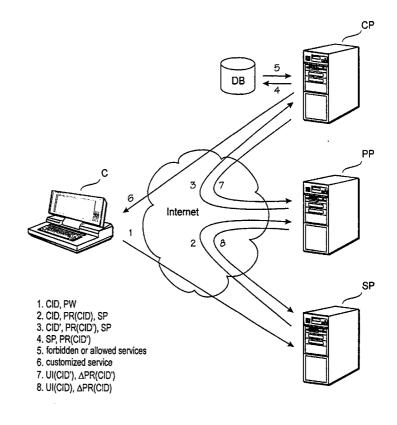
GA, GN, GW, ML, MR, NE, SN, TD, TG).

27 January 2000 (27.01.00)

(54) Title: COMBINING SERVICES IN AN INTERNET-TYPE NETWORK

(57) Abstract

A method of combining two different Internet services. A client (C) contacts (1) a first server (SP) and gives the server its identification data (CID, PW). The client (C) is forwarded (2) to a second server (CP), which provides services (6) to the client (C). The first server (SP) transmits to the second server (CP) the client's profile data (PR(CID)), and the second server (CP) customizes (4, 5) the services produced for the client (C) according to the client's profile data (PR(CID)) and/or the identity of the first server (SP). The client's identification data (CID) is preferably concealed (3) from the second server. In the step of service customization, the client (C) can be prevented (4, 5) from accessing some of the available services of the second server (CP), for example on the basis of the identification data of the first server (SP). From the available services of the second server (CP), the services to be offered primarily to the client can be selected on the basis of said profile data PR(CID).



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.

\mathbf{AL}	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
ΑU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
ΑZ	Azerbaijan	GB	United Kingdom	MC	MC Monaco		Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	MD Republic of Moldova		Togo
BB	Barbados	GH	Ghana	MG	MG Madagascar		Tajikistan
\mathbf{BE}	Belgium	GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
BF	Burkina Faso	GR	Greece		Republic of Macedonia	TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
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/FI 99/00462

A. CLASS	IFICATION OF SUBJECT MATTER		
IPC6: G According to	06F 17/30 International Patent Classification (IPC) or to both nati	onal classification and IPC	
	S SEARCHED		
Minimum do	ocumentation searched (classification system followed by	classification symbols)	
	G06F, H04L		
Jocumentati	ion searched other than minimum documentation to the c	extent that such documents are included in	the fields searched
SE,DK,F	I,NO classes as above	s.	
Electronic da	ata base consulted during the international search (name of	of data base and, where practicable, search	n terms used)
WPI			
c. Docu	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appr	ropriate, of the relevant passages	Relevant to claim No.
Х	EP 0733983 A2 (AT&T IPM CORP.), (25.09.96), column 1, line 2 figure 1, abstract	25 Sept 1996 7 - column 2, line 25,	1,3,4,5,6,7, 9,10
X	US 5717923 A (RICK DEDRICK), 10 (10.02.98), column 1, line 8 figures 1,2, abstract		1,3-7,9-10
X	WO 9642041 A2 (OPEN MARKET, INC. 27 December 1996 (27.12.96), line 8 - page 8, line 18; pa line 12 - line 20, figure 3,	page 5, ge 16,	1,3-7,9-10
X Furth	ner documents are listed in the continuation of Box	C. X See patent family anno	ex.
"A" docum	l categories of cited documents: tent defining the general state of the art which is not considered	"I" later document published after the in date and not in conflict with the app the principle or theory underlying th	lication but cited to understand
"E" erlier o	of particular relevance document but published on or after the international filing date tent which may throw doubts on priority claim(s) or which is	"X" document of particular relevance: the considered novel or cannot be considered when the document is taken also	lered to involve an inventive
special	o establish the publication date of another citation or other l reason (as specified) nent referring to an oral disclosure, use, exhibition or other :	"Y" document of particular relevance: the considered to involve an inventive st combined with one or more other subeing obvious to a person skilled in	ep when the document is ch documents, such combination
	nent published prior to the international filing date but later than tority date claimed	"&" document member of the same pater	
Date of th	ne actual completion of the international search	Date of mailing of the international	•
00.44			29-11-1999
	/ember 1999 d mailing address of the ISA/	Authorized officer	
Swedish Box 505	Patent Office 5, S-102 42 STOCKHOLM	Sylvain Dunand/MN	
Facsimile	e No. +46 8 666 02 86	Telephone No. + 46 8 782 25 00	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 99/00462

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	EP 0718784 A1 (SUN MICROSYSTEMS, INC), 26 June 1996 (26.06.96)	1-10
A	US 5708780 A (THOMAS MARK LEVENGOOD ET AL), 13 January 1998 (13.01.98)	
		
A	A Learning Approach to Personalized Information Filtering Beerud Dilip Sheth Massachusetts institute of technology February 1994	1-10
		
Р,Х	EP 0855659 A (LUCENT TECHNOLOGIES INC.), 29 July 1998 (29.07.98), column 3, line 33 - line 37; column 10, line 15 - line 29; column 14, line 6 - line 16, column 12, line 5 - line 15; figure 6, abstract	1-10
		

INTERNATIONAL SEARCH REPORT

Information on patent family members

02/11/99 PCT/F

International application No.
PCT/FI 99/00462

	atent document I in search repor	t	Publication date		Patent family member(s)		date
EP	0733983	A2	25/09/96	CA	2170550	A	25/09/96
				CN		A	01/01/97
				JP	8 30 5648		22/11/96
				US	5819284	Α	06/10/98
US	5717923	A	10/02/98	NON	E		
WO	9642041	A2	27/12/96	AU	694367	В	16/07/98
				AU	5936796	Α	09/01/97
				CA	2221506	Α	27/12/96
				EP	0830774	A	25/03/98
				JP		T	06/07/99
				US	5708780		13/01/98
				US	5812776	Α	22/09/98
EP	0718784	A1	26/06/96	JP	9026970	A	28/01/97
				US	5761662	Α	02/06/98
US	5708780	Α	13/01/98	AU	694367	В	16/07/98
				AU	5936796	Α	09/01/97
				CA	2221506		27/12/96
				EP	0830774		25/03/98
				JP	11507752		06/07/99
				WO	9642041	A 	27/12/96
EP	0855659	A	29/07/98	CA	2222480	A	22/07/98
				JP	10254807	A	25/09/98
				US	5961593	Α	05/10/99