

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 September 2001 (27.09.2001)

PCT

(10) International Publication Number
WO 01/71608 A3

(51) International Patent Classification⁷: **G11C 7/16**,
G07F 17/30

CZ, DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW,

(21) International Application Number: PCT/US01/08462

(22) International Filing Date: 16 March 2001 (16.03.2001)

(25) Filing Language: English

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:
60/190,268 17 March 2000 (17.03.2000) US

(71) Applicant and
(72) Inventor: NAIR, Mark [US/US]: 3806 Laynette, Amarillo, TX 79109 (US).

Published:
— with international search report

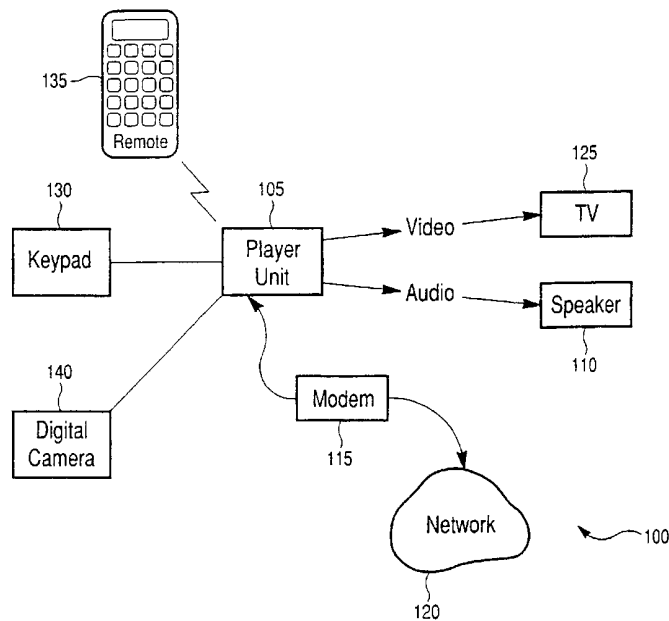
(74) Agent: VAN DYKE, Raymond; Dorsey & Whitney LLP, Suite 300 South, 1001 Pennsylvania Avenue, N.W., Washington, DC 20004 (US).

(88) Date of publication of the international search report:
2 May 2002

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

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.

(54) Title: SYSTEM, METHOD AND APPARATUS FOR CONTROLLING THE DISSEMINATION OF DIGITAL WORKS



(57) Abstract: A system, business methodology and apparatus for facilitating controlled dissemination of digital works is disclosed. An audio and video organizer, entertainment, and communication unit that plays back audio and video media content received from a central storage server. The unit relies on a smartcard, which has a personalized key that unlocks encrypted content. Using the unit, a user can purchase music or other types of media using an appropriate ordering method. The central storage server then transmits a double-encrypted, compresses audio file to the unit, where it is decrypted based on the smartcard key, and available for listening.

WO 01/71608 A3

INTERNATIONAL SEARCH REPORT

Internatio Application No
PCT/US 01/08462

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11C7/16 G07F17/30				
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 7 G11C G07F				
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) EPO-Internal, PAJ, WPI Data				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	EP 0 926 644 A (NSM AG) 30 June 1999 (1999-06-30) figure 5	1		
A	EP 0 933 901 A (SONY CORP) 4 August 1999 (1999-08-04) figures 1,2,7	1,5,9, 11,15, 20,24, 35,39,45		
A	WO 96 12257 A (MASTRONARDI TONY ;NATHAN GUY (FR); TECHNICAL MAINTENANCE CORP (US)) 25 April 1996 (1996-04-25) abstract; figure 1	1,3,4, 29,30, 41,42, 47,48		
<input type="checkbox"/> Further documents are listed in the continuation of box C.				
<input checked="" type="checkbox"/> Patent family members are listed in annex.				
° Special categories of cited documents :				
<table style="width: 100%; font-size: x-small;"> <tr> <td style="width: 50%;"> *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%;"> *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 invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be 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. *&* document member of the same patent family </td> </tr> </table>			*A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*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 invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be 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. *&* document member of the same patent family
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*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 invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be 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. *&* document member of the same patent family			
Date of the actual completion of the international search 12 September 2001	Date of mailing of the international search report 19/09/2001			
Name and mailing address of the ISA 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	Authorized officer Vidal Verdu, J.			

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US 01/08462

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0926644	A	30-06-1999	DE	19539172 A1	19-09-1996
			DE	29603226 U1	25-04-1996
			DE	59507199 D1	09-12-1999
			WO	9628797 A1	19-09-1996
			EP	0815544 A1	07-01-1998
			EP	0927978 A2	07-07-1999
			EP	0926644 A2	30-06-1999
			GB	2298944 A , B	18-09-1996
EP 0933901	A	04-08-1999	AU	8647298 A	08-03-1999
			EP	0933901 A1	04-08-1999
			WO	9909718 A1	25-02-1999
WO 9612257	A	25-04-1996	WO	9612255 A1	25-04-1996
			AT	188793 T	15-01-2000
			AT	176827 T	15-03-1999
			AT	176540 T	15-02-1999
			AT	188794 T	15-01-2000
			AT	176541 T	15-02-1999
			AT	168803 T	15-08-1998
			CA	2201911 A1	25-04-1996
			CA	2201913 A1	25-04-1996
			CA	2201914 A1	25-04-1996
			CA	2201915 A1	25-04-1996
			CA	2201916 A1	25-04-1996
			CA	2201917 A1	25-04-1996
			DE	69422647 D1	17-02-2000
			DE	69422647 T2	31-08-2000
			DE	69503650 D1	27-08-1998
			DE	69503650 T2	04-02-1999
			DE	69507706 D1	18-03-1999
			DE	69507706 T2	01-07-1999
			DE	69507723 D1	18-03-1999
			DE	69507723 T2	01-07-1999
			DE	69507893 D1	25-03-1999
			DE	69507893 T2	29-06-2000
			DE	69514536 D1	17-02-2000
			DE	69514536 T2	21-06-2000
			DK	786121 T3	03-07-2000
			DK	786122 T3	20-09-1999
			DK	786123 T3	20-09-1999
			DK	786125 T3	03-07-2000
			DK	803110 T3	20-09-1999
			DK	786126 T3	26-04-1999
			EP	0786121 A1	30-07-1997
			EP	0786122 A1	30-07-1997
EP	0786123 A1	30-07-1997			
EP	0786124 A1	30-07-1997			
EP	0786125 A1	30-07-1997			
EP	0803110 A1	29-10-1997			
EP	0786126 A1	30-07-1997			
EP	0927977 A2	07-07-1999			
ES	2143556 T3	16-05-2000			
ES	2129229 T3	01-06-1999			
ES	2129230 T3	01-06-1999			
ES	2144144 T3	01-06-2000			
ES	2129231 T3	01-06-1999			
ES	2122683 T3	16-12-1998			

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US 01/08462

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9612257	A	WO 9612256 A1 WO 96122 A1	25-04-1996