

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
22 May 2003 (22.05.2003)

PCT

(10) International Publication Number  
**WO 2003/043322 A3**

(51) International Patent Classification<sup>7</sup>: **H04N 7/173**

(21) International Application Number:  
PCT/US2002/035992

(22) International Filing Date:  
8 November 2002 (08.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
09/991,083 14 November 2001 (14.11.2001) US

(71) Applicant: **OPENTV, CORP.** [US/US]; 401 East Middlefield Road, Mountain View, CA 94043 (US).

(72) Inventors: **DUREAU, Vincent**; 3519 South Court, Palo Alto, CA 94306 (US). **KIM, Patty**; 655 Donahe Drive, Milpitas, CA 95035 (US). **COLLETTE, Michael**; 328 Genoa Drive, Redwood Shores, CA 94065 (US).

(74) Agent: **RANKIN, Rory, D.**; Meyertons, Hood, Kivlin & Goetzl, P.C., P.O. Box 398, Austin, TX 78767-0398 (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.

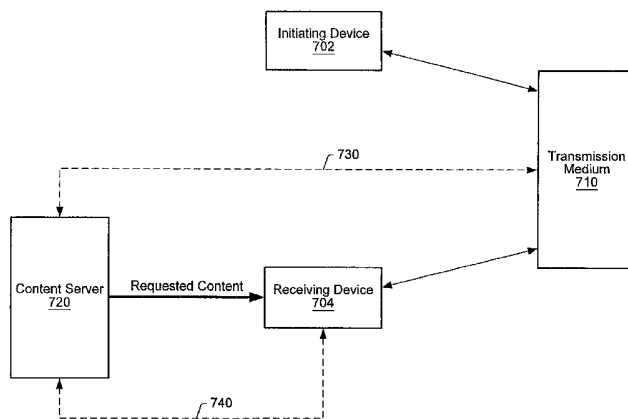
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

(88) Date of publication of the international search report:  
4 March 2004

*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: REMOTE RE-CREATION OF DATA IN A TELEVISION SYSTEM



(57) Abstract: A method and mechanism for recreating particular data at a remote location within a television system. While watching television, a viewer tags a particular television program which is deemed of interest. The viewer then generates a message including an edit list which identifies the tagged program material and conveys the message to a remote location. The message is received at the remote location by a receiving device. The receiving device is configured to then capture and record the identified program material in response to processing the message. Capture of the identified program material may begin immediately, or may be scheduled for a later time. The receiving device is configured to either determine when the identified program material will next be broadcast, or may be configured to generate a request for the program material from a remote content server. The message may identify a single program, or multiple program selections taken from one or more programs. Also, a television operator may generate different edit lists targeted to different groups within a viewing audience. The edit lists may correspond to profiles based on audience data gathered by the operator. These edit lists are then conveyed to members of the viewing audience. The operator then conveys a broadcast signal including a variety of program material. Audience member's receiving devices then capture particular portions of the broadcast signal based on the prior received edit lists.



WO 2003/043322 A3

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/35992

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04N7/173

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 H04N

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

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 50753 A (SILVA CARLOS A JR ;COOPER ROBERT M (US); AMERICA ONLINE INC (US);) 12 July 2001 (2001-07-12)  page 7, line 14 -page 12, line 28 figures 6-14 ---	1-5,7, 9-11,14, 15, 19-23, 31-39,42
X	US 5 420 923 A (IVEY M KENT ET AL) 30 May 1995 (1995-05-30) column 26, line 10 -column 30, line 63 --- -/--	1-3,9-11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## ° Special categories of cited documents :

\*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.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

18 November 2003

Date of mailing of the international search report

03/12/2003

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

Van der Zaal, R

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/35992

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 00 13416 A (UNITED VIDEO PROPERTIES INC) 9 March 2000 (2000-03-09)</p> <p>page 19, line 17 -page 21, line 33  page 28, line 1 -page 35, line 19  page 51, line 13 -page 52, line 9  page 55, line 5 - line 23  figures 2,3,7-9</p> <p style="text-align: center;">-----</p>	<p>1-4,  9-11,  21-43</p>

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/35992

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0150753	A	12-07-2001	AU 2275901 A	16-07-2001
			WO 0150753 A1	12-07-2001
			US 2002124247 A1	05-09-2002
US 5420923	A	30-05-1995	US 5381477 A	10-01-1995
			AU 6549194 A	08-11-1994
			WO 9424826 A1	27-10-1994
			AT 185226 T	15-10-1999
			AU 674213 B2	12-12-1996
			AU 6238394 A	14-09-1994
			CA 2155535 A1	01-09-1994
			DE 69420948 D1	04-11-1999
			EP 0685141 A1	06-12-1995
			JP 8509850 T	15-10-1996
			MX 9401217 A1	31-08-1994
			WO 9419909 A1	01-09-1994
			AU 6238294 A	14-09-1994
			CA 2155537 A1	01-09-1994
			JP 8509849 T	15-10-1996
			MX 9401216 A1	31-08-1994
			WO 9419881 A1	01-09-1994
			US 5724525 A	03-03-1998
WO 0013416	A	09-03-2000	AT 226377 T	15-11-2002
			AU 764141 B2	14-08-2003
			AU 5694399 A	21-03-2000
			AU 754474 B2	14-11-2002
			AU 5787299 A	21-03-2000
			BR 9913230 A	17-07-2001
			BR 9913659 A	05-06-2001
			CA 2338488 A1	09-03-2000
			CA 2341451 A1	09-03-2000
			CN 1315113 T	26-09-2001
			CN 1320336 T	31-10-2001
			DE 69903556 D1	21-11-2002
			DE 69903556 T2	27-02-2003
			EP 1241890 A2	18-09-2002
			EP 1110396 A2	27-06-2001
			EP 1099345 A1	16-05-2001
			ES 2188234 T3	16-06-2003
			JP 2002524934 T	06-08-2002
			JP 2002524935 T	06-08-2002
			TW 463503 B	11-11-2001
			TW 447221 B	21-07-2001
			WO 0013415 A2	09-03-2000
			WO 0013416 A1	09-03-2000