



- (51) International Patent Classification:
H04N 21/234 (2011.01)
- (21) International Application Number:
PCT/US2013/047694
- (22) International Filing Date:
25 June 2013 (25.06.2013)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
13/533,247 26 June 2012 (26.06.2012) US
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, QA, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

- Published:
 - with international search report (Art. 21(3))
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
- (88) Date of publication of the international search report:
6 March 2014

(54) Title: IDENTIFYING MEDIA ON A MOBILE DEVICE

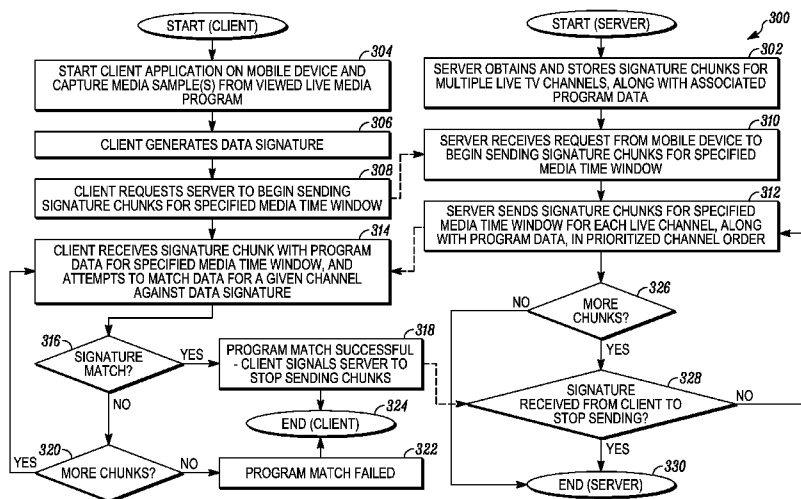


FIG. 3

(57) Abstract: Disclosed is a method of associating, at a secondary device (108), secondary media content with primary media content being output at a primary device (104). The method includes receiving, at the secondary device, first information based upon the primary content being output at the primary device, wherein the first information includes at least one of an audio and a visual signal, determining at the secondary device second information corresponding to the first information, receiving at the secondary device one or more portions of secondary media content that have been made available by a third device, determining at the secondary device whether one or more of the portions of the secondary media content match one or more portions of the second information, and taking at least one further action upon determining that there is a match.

WO 2014/004567 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/047694

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04N21/234
ADD.
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)
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 practicable, search terms used)
EPO-Internal, 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	US 2011/246495 A1 (MALLINSON DOMINIC S [US]) 6 October 2011 (2011-10-06)	1-4, 7-10,16
Y	abstract; claims 1, 9, 14, 18; figures 1, 2, 7-9 paragraphs [0005] - [0009], [0024] - [0027], [0039], [0042], [0049] -----	5,6, 11-15, 17-21
Y	US 2012/079059 A1 (FONSECA JR BENEDITO J [US] ET AL) 29 March 2012 (2012-03-29) abstract; claims 1, 2, 5, 8-10, 14, 20, 21; figures 1, 3a, 3b, 7 -----	5,6, 11-15, 17-21
A	US 2009/077252 A1 (ABDO NADIM Y [US] ET AL) 19 March 2009 (2009-03-19) abstract; claims 1, 17; figures 1-3C paragraphs [0013], [0023], [0049] ----- -/--	5,6, 11-15, 17-21

Further documents are listed in the continuation of Box C.

See patent family 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 application or patent 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 16 January 2014	Date of mailing of the international search report 22/01/2014
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Katruff, Martin
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/047694

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/047694

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2011/087490 A1 (OLSON KENNETH [US]) 14 April 2011 (2011-04-14) abstract; claims 1, 5, 8, 15; figures 1a-2 -----	1-21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2013/047694

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2011246495	A1	06-10-2011	EP 2553937 A2 06-02-2013
			JP 2013529408 A 18-07-2013
			US 2011246495 A1 06-10-2011
			WO 2011123720 A2 06-10-2011

US 2012079059	A1	29-03-2012	US 2012079059 A1 29-03-2012
			US 2012079062 A1 29-03-2012
			WO 2012047400 A1 12-04-2012

US 2009077252	A1	19-03-2009	CN 101803203 A 11-08-2010
			EP 2198522 A2 23-06-2010
			JP 2010539606 A 16-12-2010
			US 2009077252 A1 19-03-2009
			WO 2009036350 A2 19-03-2009

US 2011087490	A1	14-04-2011	US 2011087490 A1 14-04-2011
			US 2013272683 A1 17-10-2013

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4, 7-10, 16

a method of associating secondary media content with primary media content being output at a primary device, the method comprising:

(i) receiving, at the secondary device, one or more portions of secondary media content that have been made available by a third device

2. claims: 5, 6, 11-15, 17-21

(ii) transmitting a request to a first server to receive secondary media content that includes one or more signature chunks derived from the primary media content
