



(51) International Patent Classification:

G11B 27/034 (2006.01) *G11B 27/28* (2006.01)
G01R 15/06 (2006.01) *G11B 27/32* (2006.01)
G11B 27/10 (2006.01) *H04N 5/77* (2006.01)

(21) International Application Number:

PCT/IB2016/000715

(22) International Filing Date:

29 April 2016 (29.04.2016)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/154,697 29 April 2015 (29.04.2015) US
 62/279,638 15 January 2016 (15.01.2016) US

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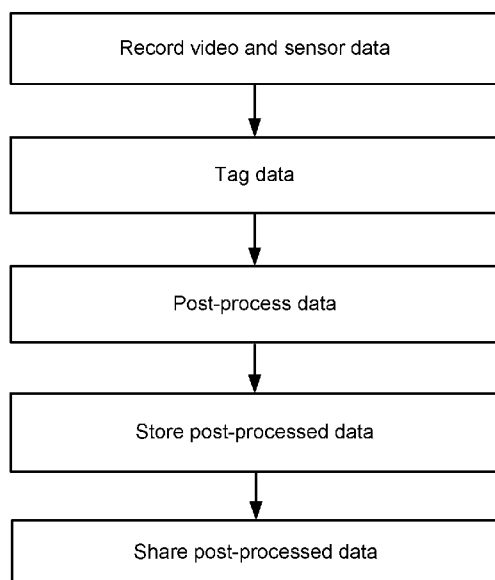
SPENCE, Gavin; C/o De Ruijterkade 154, 1011 Ac Amsterdam (NL). **HERMSEN, Walter**; C/o De Ruijterkade 154, 1011 Ac Amsterdam (NL). **ZILIO, Davide**; C/o De Ruijterkade 154, 1011 Ac Amsterdam (NL). **HEMPEL, Erno**; C/o De Ruijterkade 154, 1011 Ac Amsterdam (NL). **OBRAĐOVIC, Nebojsa**; C/o De Ruijterkade 154, 1011 Ac Amsterdam (NL).

(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, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, 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, SA, 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, ST, 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, RO, RS, SE, SI, SK,

[Continued on next page]

(54) Title: DATA PROCESSING SYSTEMS

**Figure 6**

(57) **Abstract:** Methods and systems are disclosed related to the processing of video and sensor data recorded by a video camera. For example, a first embodiment is directed to the storage of sensor data in a metadata portion of a digital media file, a second embodiment is directed to the storage of highlight data in a metadata portion of a digital media file, and a third embodiment is directed to the creation of highlight data based on sensor data.



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, KM, ML, MR, NE, SN, TD, TG).

— *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))*

Published:

— *with international search report (Art. 21(3))*

(88) Date of publication of the international search report:

5 January 2017

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2016/000715

A. CLASSIFICATION OF SUBJECT MATTER

INV. G11B27/034 G01R15/06 G11B27/10 G11B27/28 G11B27/32
H04N5/77

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)

G11B 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)

EP0-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	WO 2011/149825 A1 (EASTMAN KODAK CO [US]; DEEVER AARON [US]) 1 December 2011 (2011-12-01)	1,2, 4-17,32, 33,44
A	page 5 - page 31	18,20
X	WO 2013/001537 A1 (HUMAN MONITORING LTD [IL]; BAKHAROV ILIA [IL]; GORSTEIN VLADIMIR [IL];) 3 January 2013 (2013-01-03)	1,2,4, 6-8, 10-12, 14-16, 32,33,44
A	page 7, line 20 - page 17, line 19; figures 2,3	9
X	US 2015/078727 A1 (ROSS STANTON E [US] ET AL) 19 March 2015 (2015-03-19)	1-4,6-8, 10-12, 15-17, 32,33,44
Y	paragraph [0029] - paragraph [0066]	18,20
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☒ 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

8 September 2016

Date of mailing of the international search report

11/11/2016

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2016/000715

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	W0 2013/191727 A1 (ALPINE REPLAY INC [US]) 27 December 2013 (2013-12-27) paragraph [0034] - paragraph [0075] -----	18,20
A	Atkins Hunter: "Blast Motion Captures Movements, Metrics and Highlights Like You're a Pro Athlete", , 25 March 2015 (2015-03-25), pages 1-5, XP055300849, Retrieved from the Internet: URL:https://blastmotion.com/wp-content/upl oads/2015/02/article-forbes-blast-motion-c aptures-movements.pdf [retrieved on 2016-09-08] the whole document -----	1-18,20, 32,33,44
A	Scoblete Greg: "12 Action Cameras For Your Next Extreme Adventure", , 27 March 2015 (2015-03-27), pages 1-6, XP055300852, Retrieved from the Internet: URL:http://www.pdnonline.com/gear/12-Actio n-Cameras-For-Your-Next-Extreme-Adventure- 12954.shtml [retrieved on 2016-09-08] pages 2,4 -----	1-18,20, 32,33,44
A	US 2014/072284 A1 (AVRAHAMI DANIEL [US] ET AL) 13 March 2014 (2014-03-13) paragraph [0014] - paragraph [0102] -----	1-18,20, 44
A	US 2013/330054 A1 (LOKSHIN DAVID J [US]) 12 December 2013 (2013-12-12) paragraph [0026] - paragraph [0035] -----	1-18,20, 32,33,44
A	US 2011/264715 A1 (SINGER DAVID WILLIAM [US] ET AL) 27 October 2011 (2011-10-27) the whole document -----	1,32

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2016/000715

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.:
1-18, 32, 33(completely); 20, 44(partially)

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 1-18, 32, 33(completely); 20, 44(partially)

Adding video image data into a payload portion and additional input data into a metadata portion of a digital media container

2. claims: 19, 34(completely); 20, 44(partially)

Generating highlight data for digital video by analyzing sensor information

3. claims: 21-24, 35, 36(completely); 44(partially)

Recording a first encoded video and a second encoded video received from an image sensor on a digital media file

4. claims: 25, 37(completely); 44(partially)

Remote generation of highlight data for digital video

5. claims: 26, 38(completely); 44(partially)

Using a first and a second wireless communication protocol to communicate between a camera and a remote computing device

6. claims: 27, 28, 39, 40(completely); 44(partially)

Using additional input data on a timeline to review video image data

7. claims: 29, 30, 41, 42(completely); 44(partially)

Generating digital media files using highlight data

8. claims: 31, 43(completely); 44(partially)

Previewing video image data associated with a thumbnail image

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2016/000715

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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