

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 February 2007 (01.02.2007)

PCT

(10) International Publication Number
WO 2007/013025 A3

(51) International Patent Classification:

G06F 17/30 (2006.01)

(21) International Application Number:

PCT/IB2006/052534

(22) International Filing Date: 24 July 2006 (24.07.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/702,819 27 July 2005 (27.07.2005) US

(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(71) Applicant (for AE only): **U.S. PHILIPS CORPORATION** [US/US]; 1251 Avenue Of The Americas, New York, New York 10020 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BRUG, Willem Peter Van Der** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(74) Common Representative: **KONINKLIJKE PHILIPS**

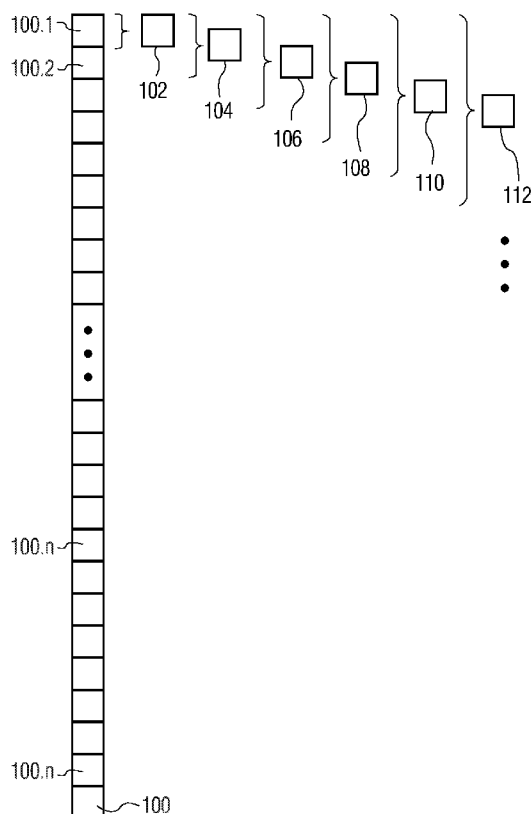
ELECTRONICS N.V.; c/o Daniel J. Piotrowski, P.O. Box 3001, Briarcliff Manor, New York 10510-8001 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PROVIDING INSTANT-REVIEW OF MULTIMEDIA MATERIAL



(57) Abstract: A method for organizing data in a multimedia presentation (100) providing for an instant summary review is disclosed. Further disclosed is a method and apparatus for presenting summary information (102, 104) up to a current scene in a multimedia presentation (100). The method of presenting summary information comprises the steps of determining the current scene (420) in a received multimedia presentation (100), determining a summary data block corresponding to the determined current scene (430), and providing information in the corresponding summary data block to a user in response to a received request (450). In one aspect of the invention, each summary data block associated with prior scenes is obtained and filtered based on the current scene to provide a summary length that is substantially constant independent of the current scene.



Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report*

(88) Date of publication of the international search report:
19 April 2007

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.

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2006/052534

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F17/30

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)
G06F

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, 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 2005/002647 A1 (GIRGENSOHN ANDREAS [US] ET AL) 6 January 2005 (2005-01-06) abstract paragraphs [0026] - [0036]; figures 4,7	1-29
X	US 5 818 439 A (NAGASAKA AKIO [JP] ET AL) 6 October 1998 (1998-10-06) abstract column 7, lines 39-59; figure 5 column 10, lines 40-59; figure 12 column 11, line 39 - column 12, line 9; figure 16	1-29
X	KR 2001 001 197 A (LG ELECTRONICS INC [KR]) 5 January 2001 (2001-01-05) figures 1-4 -/--	1-29

☒ 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 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

8 January 2007

Date of mailing of the international search report

18/01/2007

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

Siódmok, Wojciech

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2006/052534

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	& US 7 127 735 B1 (LEE JIN SOO [KR] ET AL) 24 October 2006 (2006-10-24) column 6, line 1 - column 7, line 11; figures 4,5 -----	
X	EP 1 473 729 A (LG ELECTRONICS INC [KR]) 3 November 2004 (2004-11-03) paragraphs [0029] - [0039]; figure 1 paragraphs [0062], [0063] -----	1-29
X	EP 1 182 584 A2 (LG ELECTRONICS INC [KR]) 27 February 2002 (2002-02-27) paragraph [0025] paragraphs [0053] - [0057]; figure 6 paragraph [0091]; figure 10 -----	1-29
X	US 6 219 837 B1 (YEO BOON-LOCK [US] ET AL) 17 April 2001 (2001-04-17) abstract column 1, line 47 - column 2, line 26 -----	1-29
A	US 2005/069287 A1 (SUH JONG-YEUL [KR]) 31 March 2005 (2005-03-31) paragraphs [0057] - [0063]; figure 3 -----	1,9,15, 27

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2006/052534

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2005002647	A1	06-01-2005	JP	2005025744 A	27-01-2005
US 5818439	A	06-10-1998	JP	3472659 B2	02-12-2003
			JP	8292965 A	05-11-1996
KR 2001001197	A		NONE		
US 7127735	B1	24-10-2006	KR	20010001197 A	05-01-2001
EP 1473729	A	03-11-2004	CA	2466192 A1	02-11-2004
			CN	1543213 A	03-11-2004
			JP	2004336787 A	25-11-2004
			KR	20040094251 A	09-11-2004
			US	2004218904 A1	04-11-2004
EP 1182584	A2	27-02-2002	JP	3667262 B2	06-07-2005
			JP	2002125174 A	26-04-2002
			US	2002051010 A1	02-05-2002
US 6219837	B1	17-04-2001	NONE		
US 2005069287	A1	31-03-2005	KR	20050031699 A	06-04-2005