

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 December 2007 (13.12.2007)

PCT

(10) International Publication Number
WO 2007/142931 A3

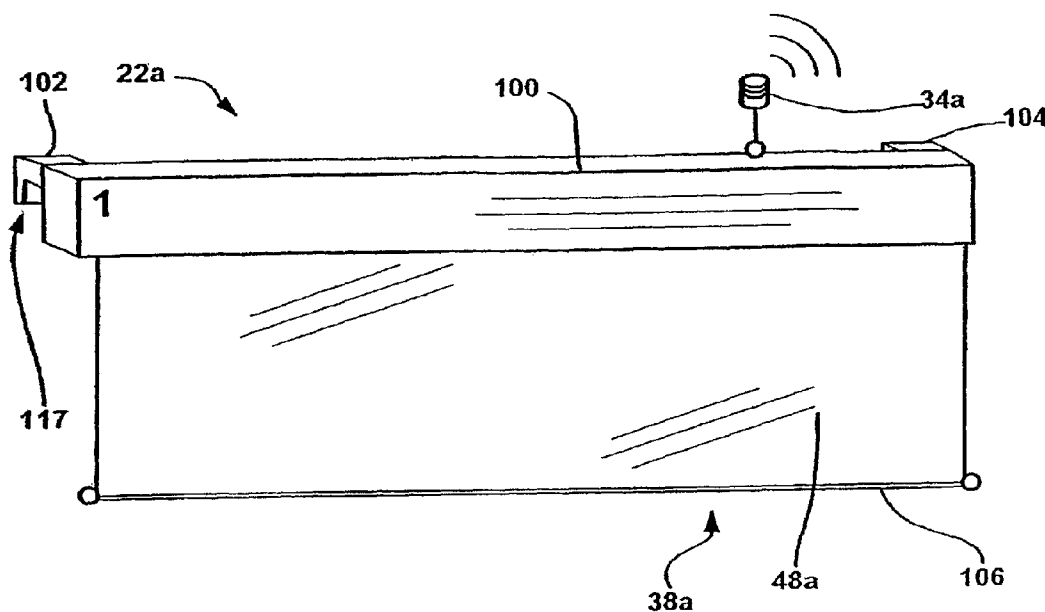
- (51) International Patent Classification:
H04N 7/15 (2006.01) G09G 5/00 (2006.01)
G06F 3/033 (2006.01)
- (21) International Application Number:
PCT/US2007/012671
- (22) International Filing Date: 30 May 2007 (30.05.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11/446,019 2 June 2006 (02.06.2006) US
- (71) Applicant (for all designated States except US): STEEL-CASE DEVELOPMENT CORPORATION [US/US]; 901 44th Street, P.O. Box 1967, Grand Rapids, MI 49508 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DUNN, Michael, H. [US/US]; 8050 Nesbit Ferry Road, Dunwoody, GA 30350 (US). HUTCHINSON, Ian, G. [US/US]; 7035 Laurel Oaks Drive, Suwanee, GA 30024-5352 (US). HILDEBRANDT, Peter, W. [US/US]; 244 Southern Hill Drive, Duluth, GA 30097 (US).

- (74) Agent: JASKOLSKI, Michael, A.; Quarles & Brady LLP, 411 East Wisconsin Avenue, Milwaukee, WI 53202 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, KM, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, 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, MT, 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).

Published:
— with international search report

[Continued on next page]

(54) Title: VIRTUAL FLIP CHART METHOD AND APPARATUS



(57) Abstract: A presentation system for presenting information to an audience within a space, the system comprising a control interface, a master presentation unit including a flat panel display screen and a processor, the screen including a master space and a slave presentation assembly including a slave presentation surface and a first projector for projecting images on the slave presentation surface, the master unit processor linkable to the interface to receive commands therefrom, the processor programmed to monitor for a command from the interface to flip an image from the master space to the slave space and, when a command to flip an image is received, causing the image from the master space to be presented in the slave space.

WO 2007/142931 A3



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
13 March 2008

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/012671

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04N7/15 G06F3/033 G09G5/00

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 G06F G09G

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2006/130750 A (POLY VISION CORP [US]; DUNN MICHAEL H [US]; HUTCHINSON IAN G [US]; HIL) 7 December 2006 (2006-12-07) the whole document	1-113
X	WO 2005/099263 A (POLY VISION CORPORATION; DUNN, MICHAEL, H; HUTCHINSON, IAN, G; HILDEBR) 20 October 2005 (2005-10-20) the whole document	1-113
Y	PATENT ABSTRACTS OF JAPAN vol. 011, no. 152 (E-507), 16 May 1987 (1987-05-16) & JP 61 288655 A (FUJITSU LTD), 18 December 1986 (1986-12-18) abstract	1-113
	----- -/--	

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

19 December 2007

Date of mailing of the international search report

03/01/2008

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

Lockett, Paul

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/012671

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/135536 A1 (BRUNING GERT) 26 September 2002 (2002-09-26) the whole document -----	1-113
Y	US 2002/191013 A1 (ABRAMS STEPHEN ALFRED) 19 December 2002 (2002-12-19) the whole document -----	1-113
Y	PATENT ABSTRACTS OF JAPAN vol. 012, no. 024 (E-576), 23 January 1988 (1988-01-23) & JP 62 179268 A (MITA IND CO LTD), 6 August 1987 (1987-08-06) abstract -----	1-113
Y	US 5 903 252 A (OGATA ET AL) 11 May 1999 (1999-05-11) the whole document -----	1-113
Y	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 25, 12 April 2001 (2001-04-12) & JP 2001 217977 A (RICOH CO LTD), 10 August 2001 (2001-08-10) abstract -----	1-113

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/012671

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2006130750	A	07-12-2006	NONE	
WO 2005099263	A	20-10-2005	AU 2005232057 A1 CA 2561816 A1 CN 1951117 A EP 1733557 A1 KR 20070040331 A US 2005235215 A1 US 2005219225 A1	20-10-2005 20-10-2005 18-04-2007 20-12-2006 16-04-2007 20-10-2005 06-10-2005
JP 61288655	A	18-12-1986	NONE	
US 2002135536	A1	26-09-2002	CN 1473292 A EP 1374024 A2 WO 02077785 A2 JP 2004531803 T	04-02-2004 02-01-2004 03-10-2002 14-10-2004
US 2002191013	A1	19-12-2002	AU 2002316227 A1 SE 525833 C2 SE 0303362 A WO 02103549 A2	02-01-2003 10-05-2005 13-02-2004 27-12-2002
JP 62179268	A	06-08-1987	NONE	
US 5903252	A	11-05-1999	JP 10109494 A	28-04-1998
JP 2001217977	A	10-08-2001	NONE	