(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 19 July 2001 (19.07.2001)

PCT

(10) International Publication Number WO 01/52030 A3

(51) International Patent Classification7:

101

G06F 3/00

English

(74) Agent: YAMAMOTO, Toshitake; 301, Ogikubo Sunny Garden, 28-9, Ogikubo 4-chome, Suginami-ku, Tokyo 167-0051 (JP).

(21) International Application Number: PCT/JP01/00150

(81) Designated States (national): CA, JP, KR.

(22) International Filing Date: 12 January 2001 (12.01.2001)

(84) Designated States (regional). Furnean nate

(25) Filing Language: English

(84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

(26) Publication Language:

2000-40269

(30) Priority Data:

14 January 2000 (14.01.2000)

Published:

with international search report

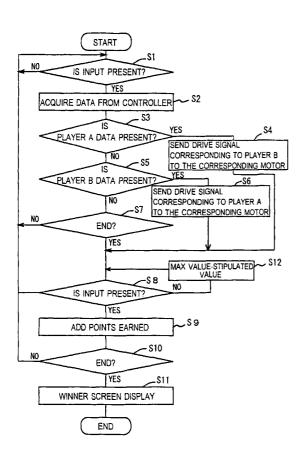
(71) Applicant: SONY COMPUTER ENTERTAINMENT INC. [JP/JP]; 1-1, Akasaka 7-chome, Minato-ku, Tokyo 107-0052 (JP).

(88) Date of publication of the international search report: 27 December 2001

(72) Inventor: KOMATA, Nobuhiro; Sony Computer Entertainment Inc., 1-1, Akasaka 7-chome, Minato-ku, Tokyo 107-0052 (JP).

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: COMPUTER WITH PRESSURE-SENSITIVE MEANS, METHOD OF COMPUTER HAVING A PRESSURE-SENSITIVE MEANS AND VIBRATION MEANS, METHOD OF USING THE SAME AND RECORDING MEDIUM FOR THE METHOD



(57) Abstract: A method and computer to provide control of vibrations of a controller used in video game machines provided with the controller. The method uses a computer having two or more controllers each of which has a pressure-sensitive unit and a vibration unit. Based on the output value from the pressure-sensitive unit of one of the controllers, vibration is caused in the vibration unit of the other controller, and based on the output value from the pressure-sensitive unit of the other controller, vibration is caused in the vibration unit of the first one of the controllers.

WO 01/52030 A3

INTERNATIONAL SEARCH REPORT

inte. onal Application No PCT/JP 01/00150

A. CLASSII	FICATION OF SUBJECT MATTER							
IPC /	G06F3/00							
According to International Patent Classification (IPC) or to both national classification and IPC								
B. FIELDS		ation symbols)						
IPC 7								
Documentat	tion searched other than minimum documentation to the extent tha	ation system followed by classification symbols) In documentation to the extent that such documents are included in the fields searched demails search (name of data base and, where practical, search terms used) PAJ, IBM—TDB LEVANT Cation, where appropriate, of the relevant passages Relevant to claim No. (WHEELER M REX ET AL) 998 (1998—09–15) 23 — 1 ine 38 (MASSIMINO MICHAEL J ET 1–7 17 (1997—04–08) 48 — column 4, line 23 (ALPS ELECTRIC CO LTD) 998 (1998—09–29) 18 (ALPS ELECTRIC CO., 101 (2001—05–01) 26 5 — column 4, line 54 27 ** Steep of the international filing date or proxify date and not in conflict with the application but died in understand the principle of they understand the principle of the proxify date and not in conflict with the application but died to individual relevance: the claimed invention and action of another conflict of the proxify date and not in conflict with the application but died to individual relevance: the claimed invention cannot be considered to involve an invention the conflict of the arm when the counter is taken alone and the such document of particular relevance: the claimed invention cannot be considered to involve an invention the conflict of the arm when the counter is taken alone and the such document of particular relevance: the claimed invention the cannot be considered to involve an inv						
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)								
1.0 1.1	ber mar, with base, they ber							
0. 00011111	US 5 808 540 A (WHEELER M REX ET AL) 15 September 1998 (1998-09-15) abstract column 3, line 23 - line 38 US 5 619 180 A (MASSIMINO MICHAEL J ET AL) 8 April 1997 (1997-04-08) abstract column 3, line 48 -column 4, line 23 JP 10 258181 A (ALPS ELECTRIC CO LTD) 29 September 1998 (1998-09-29) & US 6 225 975 B1 (ALPS ELECTRIC CO., LTD.) 1 May 2001 (2001-05-01)							
Category °		relevant passages	Relevant to claim No.					
Calegory	Onation of document, with indication, where expression							
Α	US 5 808 540 A (WHEELER M REX	ET AL)	1-7					
' '	15 September 1998 (1998-09-15)							
	abstract							
	column 3, line 23 - line 38							
Α	US 5 619 180 A (MASSIMINO MICHA	EL J ET	1-7					
	AL) 8 April 1997 (1997-04-08)							
		ne 23						
	Column 3, Title 48 –Column 4, Th	ile 23						
Α	JP 10 258181 A (ALPS ELECTRIC C	O LTD)	1,3,6					
	29 September 1998 (1998-09-29)	r						
	1	C CO.,						
	abstract							
	column 2, line 65 -column 4, li	ne 54						
		ne 28;						
	figures 1,2							
Furt	ther documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.					
° Special ca	° Special categories of cited documents: "T" later document published after the international filing date							
'A' docum	or priority date and not in conflict with the application but cited to understand the principle or theory underlying the							
considered to be of particular relevance invention Selection document but published on or after the international and advantage of particular relevance; the claimed invention								
'L' docum	filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone							
citatio	n is cited to establish the publication date of another on or other special reason (as specified)	asset he concidered to involve an in	ventive step witen tite					
	nent referring to an oral disclosure, use, exhibition or means	ments, such combination being obvio	us to a person skilled					
	e actual completion of the international search	Date of mailing of the international sea	arch report					
	24 August 2001	03/09/2001						
	mailing address of the ISA	Authorized officer						
Name and	European Patent Office, P.B. 5818 Patentlaan 2							
	NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni. Fax: (+31–70) 340–3016	Davenport, K						

1

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intes onal Application No
PCT/JP 01/00150

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5808540	A	15-09-1998	AU WO	1079697 A 9718754 A	11-06-1997 29-05-1997
US 5619180	A	08-04-1997	US	5451924 A	19-09-1995
JP 10258181	Α	29-09-1998	US	6225975 B	01-05-2001