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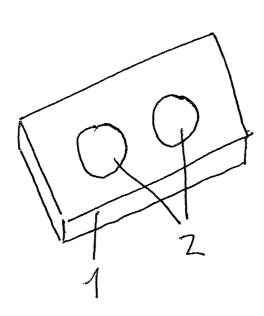
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(54) Title: POINTING DEVICE FOR COMPUTERS



(57) Abstract: Object of the invention is to provide a pointing device for computers that is operated with finger movement only. The same fingers that are used to move the cursor on the screen are also able to operate the mouse keys at the same time. This can be done by making the mouse flat (1) with buttons incorporated in the upper surface of the mouse. The mouse is moved by the fingers resting on the buttons. It is necessary that the friction between the fingers and the mouse is greater then the friction between the mouse and the surface it is resting on.

INTERNATIONAL SEARCH REPORT

Inte nal Application No PCI/NL2004/000185

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER G06F3/033		
	o International Patent Classification (IPC) or to both national classifica	ation and IPC	
	SEARCHED cumentation searched (classification system followed by classification)	on symbols)	
IPC 7	G06F		
Documenta	tion searched other than minimum documentation to the extent that s	uch documents are included in the fields s	earched
Electronic d	ata base consulted during the international search (name of data bas	se and, where practical, search terms used	i)
EPO-In	ternal, WPI Data, PAJ		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.
x	US 2003/011565 A1 (CHAN KWAN-HO) 16 January 2003 (2003-01-16) abstract		1-6
	page 1, paragraph 2 page 1, paragraph 6 — page 1, par page 1, paragraph 11 — page 1, pa		
	17 page 2, paragraph 39 — page 3, pa 51	ıragraph	
	page 4, paragraph 59 — page 4; fi	gures 1-4	
A	DE 201 20 335 U1 (BEHAVIOR TECH C CORP., TAIPEH/T'AI-PEI) 29 May 2002 (2002-05-29) page 5, line 1 - page 6, line 29 page 9, line 25 - page 10, line 7		5
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X Furti	her documents are listed in the continuation of box C.	χ Patent family members are listed	in annex
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"A" docume	ent defining the general state of the art which is not dered to be of particular relevance	"T" later document published after the inte or priority date and not in conflict with cited to understand the principle or th invention	the application but
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	actual completion of the international search	Date of mailing of the international sea	
7	February 2005	17/02/2005	
Name and r	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	I Daley at 151 at	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	US 5 355 148 A (ANDERSON ET AL) 11 October 1994 (1994-10-11) column 4, line 26 - column 7, line 28; figures 1,2	3,5	
A	11 October 1994 (1994-10-11) column 4, line 26 - column 7, line 28;	6	

INTERNATIONAL SEARCH REPORT

Int onal Application No
PCT/NL2004/000185

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003011565	A1	16-01-2003	US 2001043149 A1 AU 4191899 A CN 1315030 T EP 1078353 A1 WO 9960556 A1	22-11-2001 06-12-1999 26-09-2001 28-02-2001 25-11-1999
DE 20120335	U1	29-05-2002	FR 2834579 A3 GB 2383128 A ,B US 2003112221 A1	11-07-2003 18-06-2003 19-06-2003
US 5355148	Α	11-10-1994	NONE	
US 2002060666	A1	23-05-2002	NONE	