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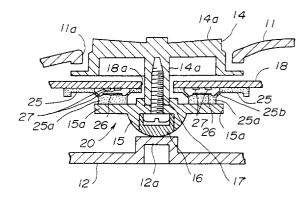
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(54) Directional control-key mechanism.

A directional control-key mechanism used for a controller of a TV game machine, which mechanism has a long service life. A support member (15) is secured to a key (14) with a circuit board (18) therebetween. A lowermost portion of the support member (15) is in contact with a portion of a bottom case (12) of the controller. The support member (15) has a radially extending portion (15a) under the circuit board (18). a plurality of elastic members (25) are arranged between the circuit board (18) and the radially extending portion (15a). A portion (25a) of each of the elastic members (25) is in a position lifted from the circuit board (18) and a contact material (26) is provided on a top surface of the portion (25a). On a surface of the circuit board (18), there are provided a pair of electrodes at a position directly above the portion (25a).





EP 0 581 582 A3



EUROPEAN SEARCH REPORT

Application Number EP 93 30 5954

ategory	Citation of document with indi of relevant pass	cation, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL5)
\	US-A-4 408 103 (J. SP * column 3, line 56 - figures 1-3 *	AITH III) - column 5, line 19;	1,5	H01H25/04 H01H13/70
١.	WO-A-90 15427 (ATARI * abstract; figures		1	
A	GB-A-2 144 582 (NINTE * the whole document -	ENDO CO LTD) *	1	
	·			TECHNICAL FIELDS SEARCHED (Int.Cl.5) H01H
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	The present search report has been	drawn up for all claims		
	Place of search	Date of completion of the search	<u> </u>	Examiner
	BERLIN	22 September 1994	Rur	pert, W
X : par Y : par doc	CATEGORY OF CITED DOCUMENT ticularly relevant if taken alone ticularly relevant if combined with anoth ument of the same category anological background	T: theory or principl E: earlier patent doc after the filing da D: document cited in L: document cited fo	e underlying the nament, but pub- nte n the application or other reasons	invention lished on, or