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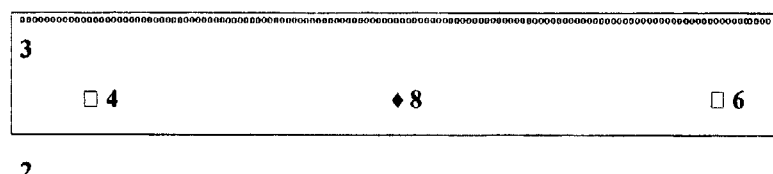
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FIG. 1



(57) Abstract: A data providing device associated with a trajectory sensing system has at least a frame. The frame supports at least two sensing receivers and at least one emitter for the sensing receivers. The sensors sense movement and/or position with respect to a surface. The frame supports a third sensor that senses information (e.g., image data) from the surface at least in addition to movement. There is also a communication link from the two sensing receivers to a data storage device; a communication link from the third sensor to a data storage device or to a processor and then a data storage device; and a processor that determines position of the system with respect to the surface based at least in part on data from the two sensing receivers.



INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 3/033 (2009.01)

USPC - 345/163

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)

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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 practicable, search terms used)

MicroPatent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,984,287 A (MASSOUDI) 08 January 1991 (08.01.1991) entire document	1-22
Y	US 7,102,617 B2 (GUST) 05 September 2006 (05.09.2006) entire document	1-22
Y	US 6,618,038 B1 (BOHN) 09 September 2003 (09.09.2003) entire document	3-5, 22
Y	US 2007/0182725 A1 (PITTEL) 09 August 2007 (09.08.2007) entire document	9, 14-20
Y	US 5,994,710 A (KNEE et al) 30 November 1999 (30.11.1999) entire document	10-13

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