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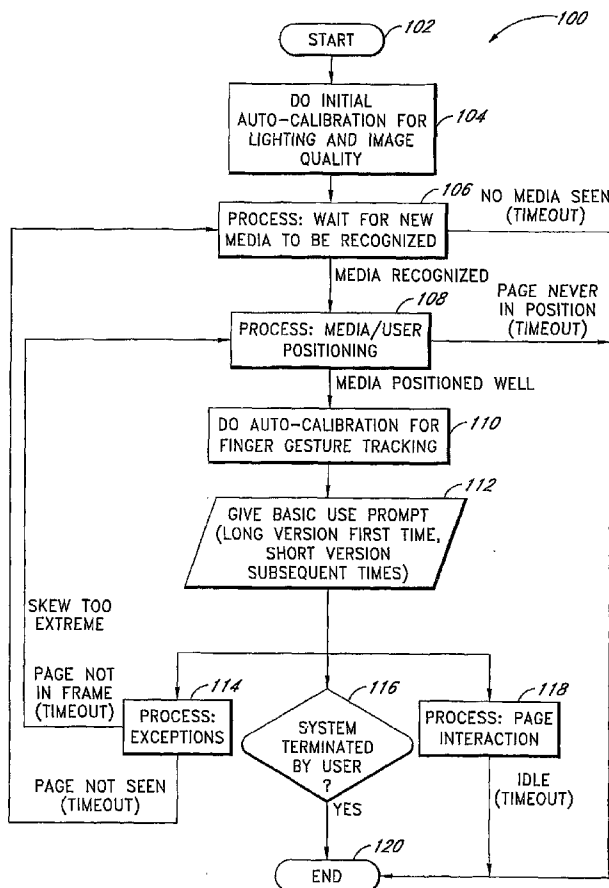
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(54) Title: COMPUTER AND VISION-BASED AUGMENTED INTERACTION IN THE USE OF PRINTED MEDIA



(57) Abstract: Media and gesture recognition apparatus and methods are disclosed. A computerized system views a first printed media using an electronic visual sensor. The system retrieves information corresponding to the viewed printed media from a database. Using the electronic visual sensor, the system views at least a first user gesture relative to at least a portion of the first printed media. The system interprets the gesture as a command, and based at least in part on the first gesture and the retrieved information, the system electronically speaks aloud at least a portion of the retrieved information. (Figure 1, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120).

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/00414

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G06F 15/16  
 US CL : 709/200

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)  
 U.S. : 709/200

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)  
 WEST

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,280,265 A (KRAMER et al.) 18 January 1994 (18.01.1994) see entire document.	1-57
A	US 5,442,729 A (KRAMER et al.) 15 August 1995 (15.08.1995) see entire document.	1-57
A	US 5,813,406 A (KRAMER et al.) 29 September 1998 (29.09.1998) see entire document.	1-57
A	US 6,035,274 A (KRAMER et al.) 07 March 2000 (07.03.2000) see entire document.	1-57
A, E	US 6,701,296 B1 (KRAMER et al.) 02 March 2004 (02.03.2004) see entire document.	1-57

Further documents are listed in the continuation of Box C.

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"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

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