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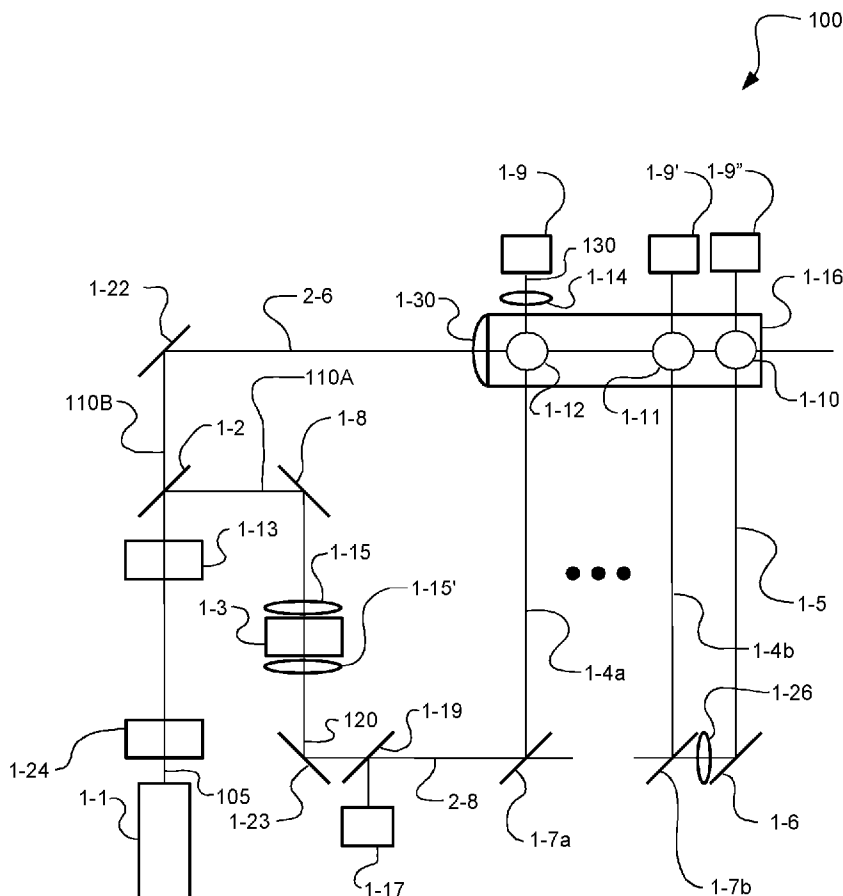
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[Continued on next page]

(54) Title: HOLOGRAPHIC STORAGE SYSTEM WITH SINGLE SWITCH ACCESS



(57) Abstract: A holographic data storage system (100) utilizing optical switches (1-7a and 1-7b). The data storage system includes holographic data storage media (1-16) adapted to receive a data beam and store a data pattern associated with the data beam. The stored data pattern is expressed by a holographic representation corresponding to data elements of the data beam.

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**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *of inventorship (Rule 4.17(iv))*

- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/69183

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **G03H 1/10( 2006.01),1/12( 2006.01),1/22( 2006.01)**  
  
 USPC: 359/10,11,32, 35  
 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. : 359/10, 11, 32, 35

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 EAST (serch terms, holographic recording, optical switches etc.).

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,132,811 A (IWAKI et al) 21 July 1992 (21.07.1992) columns 14-15 and 18-19	1-2, 4-12, 14-20, 22, 24-26, 28-31, 33-35 ----- 3, 13, 21, 23, 27, 3, 13, 23
Y	US 6,788,461 A (KURTZ et al) 7 September 2004 (09.07.2004), see the entire document.	21, 27
Y	US 6,674,519 A (MUI) 6 January 2004 (06.01.2004) see the entire document.	32
X	US 6,281,994 A (HORIKOSHI et al) 28 August 2001 (28.08.2001), see the entire document.	

Further documents are listed in the continuation of Box C.

See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

Date of the actual completion of the international search 13 August 2008 (13.08.2008)	Date of mailing of the international search report <b>20 AUG 2008</b>
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