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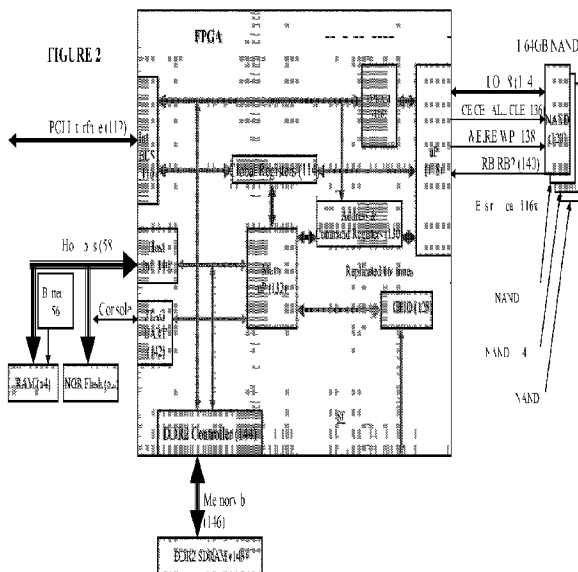
- as to the identity of the inventor (Rule 4 17(v))
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(54) Title: DATA STORAGE DEVICE




(57) **Abstract:** A data storage device comprising at least two flash devices for storing data, a circuit board, wherein each of the flash devices are integrated on the circuit board, a controller integrated on the circuit board for reading and writing to each flash devices, wherein the controller interfaces each flash devices, at least one NOR Flash device in communication with the controller through a host bus, at least one host bus memory device in communication with the controller and at least one NOR Flash device through the host bus, at least one interface in communication with the controller and adapted to physically and electrically couple to a system, receive and store data therefrom and retrieve and transmit data to the system

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INTERNATIONAL SEARCH REPORT

International application No.

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A CLASSIFICATION OF SUBJECT MATTER IPC: G06F 13/28 (2006.01),17/30(2006.01) USPC- 711/103,104 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. 711/103,104 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) 711/103,104																									
C. DOCUMENTS CONSIDERED TO BE RELEVANT																									
<table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 2005/0027928 (AVRAHAM et al.) 03 February 2005 (03.02.05), paragraphs [0002]-[0086]</td> <td>1-18 and 34-38</td> </tr> <tr> <td>X</td> <td>US 2004/0177054 (STERN et al.) 09 September 2004 (09.09.04), paragraphs [0104]-[0106], figure 1</td> <td>1-18 and 34-38</td> </tr> <tr> <td>Y</td> <td>US 2004/0193564 (BAN et al) 30 September 2004 (30.09.04), paras [0031]-[0034], [0061]-[0062].</td> <td>33</td> </tr> <tr> <td>Y</td> <td>US 2005/0005076 (LASSER) 06 January 2005 (06.01.05), paras [0002]-[0007], [0043]</td> <td>17,34</td> </tr> <tr> <td>Y</td> <td>US 6,000,006 (BRUCE et al) 07 December 1999 (07.12.99), entire document</td> <td>19-28</td> </tr> <tr> <td>Y</td> <td>US 2005/0276249 (DAMNJANOVIE et al) 15 December 2005 (15.12.05), paragraph [0048]</td> <td>29-32</td> </tr> <tr> <td>T</td> <td>US 2007/0263469 (CORNWELL et al.) 15 November 2007 (15.11.07), figure 1, entire document</td> <td>1-18, 34-38</td> </tr> </tbody> </table>	Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 2005/0027928 (AVRAHAM et al.) 03 February 2005 (03.02.05), paragraphs [0002]-[0086]	1-18 and 34-38	X	US 2004/0177054 (STERN et al.) 09 September 2004 (09.09.04), paragraphs [0104]-[0106], figure 1	1-18 and 34-38	Y	US 2004/0193564 (BAN et al) 30 September 2004 (30.09.04), paras [0031]-[0034], [0061]-[0062].	33	Y	US 2005/0005076 (LASSER) 06 January 2005 (06.01.05), paras [0002]-[0007], [0043]	17,34	Y	US 6,000,006 (BRUCE et al) 07 December 1999 (07.12.99), entire document	19-28	Y	US 2005/0276249 (DAMNJANOVIE et al) 15 December 2005 (15.12.05), paragraph [0048]	29-32	T	US 2007/0263469 (CORNWELL et al.) 15 November 2007 (15.11.07), figure 1, entire document	1-18, 34-38	<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.
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Date of the actual completion of the international search 15 July 2008 (15.07.2008)	Date of mailing of the international search report 17 JUL 2008																								
Name and mailing address of the ISA/US Mail Stop PCT, Attn ISA/US Commissioner for Patents P O Box 1450 Alexandria, Virginia 223 13-1450 Facsimile No (571) 273-3201	Authorized officer Sheng-Jen Tsai  Telephone No. 571-272-4244																								

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
T	US 2007/0276995 (CAULKrNS et al.) 29 November 2007 (29. 11.07), figures 1 and 3, entire document	1-18, 34-38