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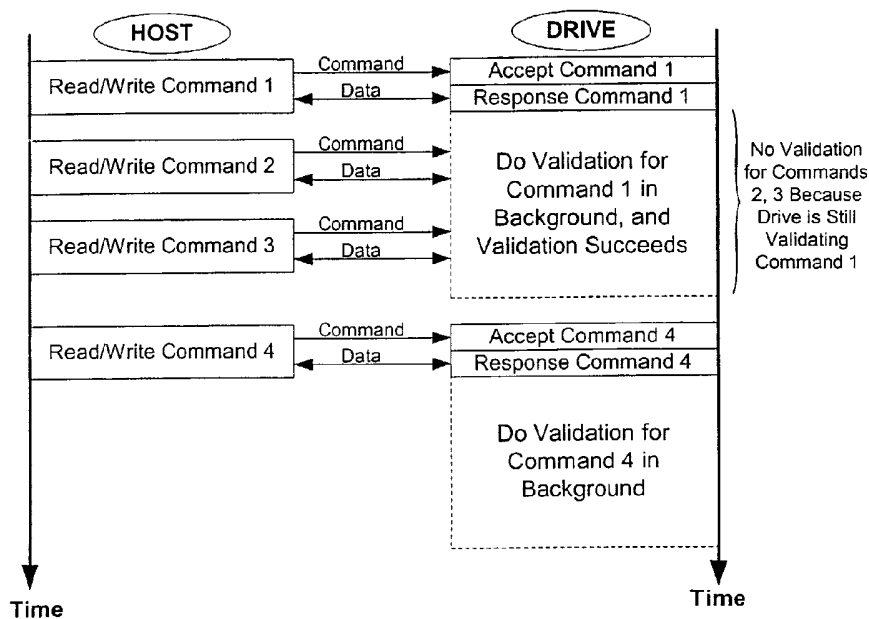
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- (71) Applicant: **SEAGATE TECHNOLOGY LLC** [US/US];
920 Disc Drive, Scotts Valley, CA 95066 (US).
- (72) Inventors: **XIE, Wenxiang**; Blk 514 #03-30 Jurong, 52 West Street, Singapore 640514 (SG). **NG, WeiLoon**; 14 Verd Crescent, Singapore 688369 (SG).
- (74) Agent: **CESARI, Kirk, A.**; Seagate Technology LLC,
1280 Disc Drive, Shakopee, MN 55379 (US).
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(54) Title: SYSTEM AND METHOD FOR PROTECTING A PERIPHERAL DEVICE AGAINST HOT PLUG ATTACKS



(57) Abstract: A method is provided for preventing a peripheral device such as an ATA disc drive, which is restricted to use with a designated host, being hot-plugged to another system after the drive is unlocked. Thus, violation of privacy of data (eg. music/video) stored on the drive through a hot-plug attack may be avoided. This is accomplished by maintaining time synchronization between the drive and its designated host so that both devices obtain the same seed from time information to generate a validation number at any time that a read/ write command is issued from the host.

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INTERNATIONAL SEARCH REPORT

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PCT/US 02/15654

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F1/00 G06F21/00				
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) IPC 7 G06F G11B				
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 practical, search terms used) EPO-Internal, WPI Data, IBM-TDB				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	EP 1 063 580 A (INT GAME TECH) 27 December 2000 (2000-12-27) claim 6; figure 1	1-3, 12-14		
A	US 4 800 590 A (VAUGHAN JAMES C) 24 January 1989 (1989-01-24) abstract	1, 2, 4, 12, 13, 15		
<input type="checkbox"/> Further documents are listed in the continuation of box C.				
<input checked="" type="checkbox"/> Patent family members are listed in annex.				
° Special categories of cited documents :				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "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) "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 </td> <td style="width: 50%; border: none; vertical-align: top;"> "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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "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. "&" document member of the same patent family </td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "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) "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	"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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "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. "&" document member of the same patent family
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Date of the actual completion of the international search <p style="text-align: center; font-weight: bold;">16 April 2004</p>	Date of mailing of the international search report <p style="text-align: center; font-weight: bold;">23/04/2004</p>			
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer <p style="text-align: center; font-weight: bold;">Moens, R</p>			

INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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			CA 2312096 A1 22-12-2000
			EP 1063580 A2 27-12-2000
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