FORM PTO-1595 MW 1-31-92 8 · 21 · 80

REC

09-06-2000

HEET

501.35318X00

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

101	44358	34	

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.						
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):					
Tsutomu SUKIGARA, Hidehiko IWASAKI,	Name: Hitachi, Ltd.					
Takashi TAKENAKA, Mitsuhiko OGUCHI, Yuichi OTANI	Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku					
Additional name(s) of conveying party(ies) attached? Yes X No						
3. Nature of conveyance:	City: Tokyo:					
Assignment Merger						
Security Agreement L Change of Name						
Other	Country: Japan					
Execution Date: June 30, 1997	Additional name(s) & address(es) attached? Yes X No					
4. Application number(s) or patent number(s): 08/896,761						
If this document is being filed together with a new application, the execution date of the application is:						
A. Patent Application No.(s)	B. Patent No.(s)					
	6,057,974 May 2, 2000					
	Way 2, 2000					
Additional numbers attached? Yes No						
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1					
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	7. Total fee (37 CFR 3.41)\$40.00					
	7. Total fee (37 CFR 3.41) \$40.00 Enclosed Charlet Any deficiencies may be charged to deposit account					
Internal Address:	Any deficiencies may be charged to deposit account					
	Authorized to be charged to deposit account					
Street Address: 1300 North Seventeenth Street Suite 1800	8. Deposit account number: 01-2135					
City: Arlington State: VA Zip: 22209	(Attach duplicate copy of this page if paying by deposit account)					
DO NOT USE THIS SPACE						
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.						
Carl I. Brundidge Name of Person Signing Signature	August 21, 2000 Date					
Attorney Registration No.29,621						
Total number of pages including cover sheet, attachments, and document: 2						
OMB No. 0651-0011 (exp. 4/94)						

REEL: 010919 FRAME: 0064

PATENT

11-05-1	Docket No.: 501.35318X00					
FORM PTO-1595 1-31-92 PM ILD 11/3/14-5-14-3-14-3-14-3-14-3-14-3-14-3-14-3-	EET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office					
To the Honorable Symmissionen of Patents and 1 racemans. 1.	263 shed original documents or copy thereof.					
1. Name of conveying party(les):	2. Name and address of receiving party(ies):					
Tsutomo SUKIGARA, Hidehiko IWASAKI, Takashi TAKENAKA, Mitsuhiko OGUCHI, Yuichi OTANI	Name: Hitachi, Ltd. Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku					
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance: Assignment	City: Tokyo:					
L.J. OtherExecution Date: June 30, 1997	Country: Japan Additional name(s) & address(ss) attached? Yes No					
4. Application number(s) or patent number(s): 08/896,761	1 communication manager or control or attachment and 168 MV 110					
If this document is being filed together with a new application A. Patent Application No.(s)	the execution date of the application is: B. Patent No.(s)					
Additional numbers attached? Yes No						
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1					
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	7. Total fee (37 CFR 3.41)\$40.00					
Internal Address:	Enclosed Any deficiencies may be charged to deposit account Authorized to be charged to deposit account					
Street Address: 1300 North Seventeenth Street Suite 1800	8. Deposit account number: 01-2135 (Attach duplicate copy of this page if paying by deposit account)					
City: Arlington State: VA Zip: 22209	(Access and the second)					
704/1999 TIRRNS 00000035 08896761 DO NOT USE THIS SPACE						
9. Statement and signature. To the hest of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.						
David S. Lee County November 3 . 1999 Name of Person Signing Signature Date Attorney Registration No. 38,222 Total number of pages including cover sheet, attachments, and document: 2						

OMB No. 0651-0011 (exp. 4/94)

PATENT REEL: 010919 FRAME: 0065

ASSIGNMENT (速 涟 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

MAGNETIC DISK STORAGE DEVICE CONTROL METHOD, DISK ARRAY SYSTEM CONTROL METHOD AND DISK ARRAY SYSTEM

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignce;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.

Signed on the date(s) indicated aside signatures:

RECORDED: 08/21/2000

INVENTOR(S)	Date Signed	Witnesses
(発明者フルネームサイン)	(署名日)	(立会人サイン)
1) Tsutomu Sukigera	June 30 , 1997	Ken Kojaki
2) Goidehika Swagaki	June 30, 1997	Ken Mojaki
3) Takashi Takonaka	June 30 1997	Hen Kozaki
4) mitsuhilio Oguchi	June 30 1997	Kon Idogaki
5) Yuichi Otani	June 30 1997	Ken Hojaki
6)		
7)		
8)		
9)		
10)		

PATENT REEL: 010919 FRAME: 0066