Docket No.:500.38242X00 03-13-2000 U.S. DEPARTMENT OF COMMERC REC EET Patent and Trademark Office 101287246 To the Honorable Commissioner of Patents u me anached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Hideo TABUCHI, Masafumi NOZAWA, Akinobu SHIMADA Name: Hitachi, Ltd. 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: X Assignment ☐ Security Agreement ☐ Change of Name Country: Japan Other Execution Date: February 14, 2000 Additional name(s) & address(es) attached? Yes No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: February 14, 2000 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP 7. Total fee (37 CFR 3.41) X Enclosed Internal Address: Any deficiencies may be charged to deposit account Authorized to be charged to deposit account Street Address: 1300 North Seventeenth Street 8. Deposit account number: 01-2135 **Suite 1800** (Attach duplicate copy of this page if paying by deposit account) City: Arlington State: VA Zip: 22209 DO NOT USE THIS SPACE 9. Statement and signature.

of the original document. Carl I. Brundidge

Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy

Name of Person Signing 13932 03/09/2000 Bol Fxam 0000006 05513932 03/09/2000 Registration No. 29, gistration No. 29,6 Total number of pages including cover sheet, attachments, and document: 2

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

PATENT REEL: 010594 FRAME: 0645

February 14, 2000

Date

Etay(

ASSIGNMENT (譲 渡 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 "DISK SUBSYSTEMS AND THEIR INTEGRATED 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 assignee;

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:

	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)	1	February 1	4, 2000	Yasıyi	moriyama
2)	(Hideo TABUCHI) MSAJUM (MSAJUM) (Masafumi NOZAWA)	February 1	4, 2000	yssige	moriyang
3)		February 1	4, 2000	yasiyi	moriyang
4)					
5)					
6)					
7)					
8)					
9)					
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PATENT REEL: 010594 FRAME: 0646