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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Kazuhiko Ono

7/20/01

2. Name and address of receiving party(ies)

Hitachi, Ltd.  
6, Kanda Surugadai 4-chome  
Chiyoda-ku  
Tokyo, Japan

Additional name(s) of conveying parties attached?  Yes  No.

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other: \_\_\_\_\_

Additional names and addresses attached?  Yes  No

Execution Date: July 6, 2001

09/910586

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07/20/01

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: July 6, 2001

A. Patent Application No(s):

B. Patent No(s):

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert C. Colwell  
TOWNSEND AND TOWNSEND AND CREW LLP  
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San Francisco, California 94111-3834  
(415) 576-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 20-1430

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9. Statement and signature.

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

Joe Liebeschuetz  
Name of Person Signing  
Atty. Reg. No. 37,505

*J. Liebeschuetz*  
Signature

July 20, 2001  
Date

Total number of pages including cover sheet, attachments and document 3

Mail documents to be recorded with required cover to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

08/01/2001 TBI AZ1 00000168 201430 09910586  
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1. Additional name(s) of conveying party(ies):  
(Continued from Page 1)

Hirotooshi Fukuda  
Takeshi Ikeda

2. Additional name(s) and address(es) of receiving party(ies):  
(Continued from Page 1)

Hitachi-LG Data Storage Co., Ltd.  
12F Toranomom 17 Mori Bldg.  
26-5, Toranomom 1-chome  
Minato-ku  
Tokyo, Japan

3. Additional application number(s) or patent number(s):  
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

# ASSIGNMENT

( 譲渡証 )

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Kazuhiko ONO, Hirotooshi FUKUDA, and Takeshi IKEDA, citizens of Japan by HITACHI, LTD., and Hitachi-LG Data Storage Co., Ltd., corporations organized under the laws of Japan,

located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 12F Toranomom 17 Mori Bldg., 26-5, Toranomom 1-chome, Minato-ku, Tokyo, Japan, respectively,

receipt of which is hereby acknowledged, we, the said Kazuhiko ONO, Hirotooshi FUKUDA, and Takeshi IKEDA, do hereby sell and assign to said HITACHI, LTD., and Hitachi-LG Data Storage Co., Ltd.,

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to DISK DISCRIMINATING METHOD AND INFORMATION REPRODUCING APPARATUS USING THEREOF

invented by us 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., and Hitachi-LG Data Storage Co., Ltd.,

their 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 us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said 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 we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and Hitachi-LG Data Storage co., Ltd.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Kazuhiko Ono</u>	<u>July 6, 2001</u>
2) <u>Hirotooshi Fukuda</u>	<u>July 6, 2001</u>
3) <u>Takeshi Ikeda</u>	<u>July 6, 2001</u>
4) _____	_____
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____