

FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

102824873

To the Honorable Director of Patents and Trademarks, Patent and Trademark Office, Washington, DC 20503-1400, or documents or copy thereof.

1. Name of Conveying party(ies):  
INOUE, Hiroyasu  
MISHIMA, Koji  
AOSHIMA, Masaki  
HIRATA, Hideki  
UTSUNOMIYA, Hajime

8-24-04

2. Name and address of receiving party(ies)  
Name: TDK Corporation

Internal Address:

Street Address: 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan

City: State: ZIP:

Additional names(s) and address(es) attached?  Yes  No

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: July 12, 12, 13, 13, and 13, 2004

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 12, 12, 13, 13, and 13, 2004

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: Bruce H. Bernstein

Internal Address: P25840

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1950 Roland Clarke Place

City: Reston State: VA ZIP: 20191

6. Total number of applications and patents involved: 1

7. Total Fee (37CFR 3.41): 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

19-0089

(Attach duplicate copy of this page if paying by deposit account)

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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.

Bruce H. Bernstein, Reg. No. 29,027  
Name of Person Signing

*[Signature]*  
Signature

8/24/04  
Date

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:  
Director of the United States Patent and Trademark Office, Mail Stop Assignments  
220 20<sup>th</sup> Street S. Customer Window,  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

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**ASSIGNMENT**

WHEREAS, **Hiroyasu INOUE**, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, **Koji MISHIMA**, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, **Masaki AOSHIMA**, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, **Hideki HIRATA**, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, and **Hajime UTSUNOMIYA**, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

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for which they have jointly executed an application for Letters Patent of the United States to be filed in the United States Patent and Trademark Office.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, and William E. Lyddane, Reg. No. 41,568, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

AND WHEREAS, **TDK Corporation**, a corporation organized and existing under the laws of the State of Japan, whose post-office address is 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefore, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any

and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

Witnessed by:

		<i>Hiroyasu Inoue</i>	<i>12 July 2004</i>
Name	Date	<b>Hiroyasu INOUE</b>	Date

Name	Date

Witnessed by:

		<i>Koji Mishima</i>	<i>12/July/2004</i>
Name	Date	<b>Koji MISHIMA</b>	Date

Name	Date

Witnessed by:

\_\_\_\_\_  
Name Date

Masaki Aoshima 13.07.2004  
**Masaki AOSHIMA** Date

\_\_\_\_\_  
Name Date

Witnessed by:

\_\_\_\_\_  
Name Date

Hideki Hirata 13/July/2004  
**Hideki HIRATA** Date

\_\_\_\_\_  
Name Date

Witnessed by:

\_\_\_\_\_  
Name Date

Hajime Utsunomiya 13. July. 2004  
**Hajime UTSUNOMIYA** Date

\_\_\_\_\_  
Name Date