| P27705.P03 4/7/5 04- | 19-2005 | |
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| FORM PTO-1595 | | U.S. DEPARTMENT OF COMMERC PATENT AND TRADEMARK OFFIC |
| To the Honorable Director of Patents 102 | 983793 | inal documents or copy thereof. |
| Name of Conveying party(ies): KIKUKAWA, Takashi FUKUZAWA, Narutoshi KOBAYASHI, Tatsuhiro | 2. Name and ad | dress of receiving party(ies) Corporation |
| | Internal Address: | 261 U.S. P. 1/100442 |
| Additional name(s) of conveying party(ies) attached?Yes _X No | Street | Objective Characteristic Characteris |
| 3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name | Address: | 1-13-1, Nihonbashi , Chuo-ku, Tokyo, 103-8272, JAPAN |
| Other Execution Date: <u>March 25, 28 and 25, 2005</u> | 1 | State: ZIP: State; ZIP: |
| A. Patent Application No.(s) | B. Patent No.(s) | |
| Name and address of party to whom correspondence concerning document should be mailed: | | of applications and patents involved: _1 |
| Name: Bruce H. Bernstein Internal Address: P27705 | 7. Total Fee (37 X Enclosed Authorized (| CFR 3.41) §40.00 |
| Street Address: GREENBLUM & BERNSTEIN, P.L.C. 1950 Roland Clarke Place | 8. Deposit acco | unt number: 19-0089 uplicate copy of this page if paying by deposit account) |
| City: Reston State: VA ZIP: 2019 | | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is to Leslie J. Paperne Bruce H. Bernstein, Reg. No. 29, 027 | ue and correct and any | vattached copy is a true copy of the original document. $A(1/05)$ |

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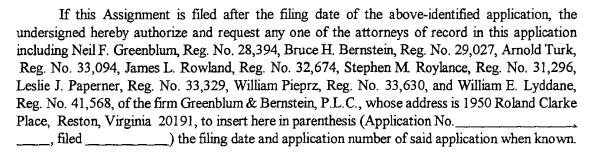
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ASSIGNMENT

WHEREAS, Takashi KIKUKAWA, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, Narutoshi FUKUZAWA, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, and Tatsuhiro KOBAYASHI, 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

REPRODUCTION APPARATUS AND INFORMATION RECORDING MEDIUM TESTING APPARATUS

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.



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

PATENT REEL: 016459 FRAME: 0520 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 TESTIMONV WHEREOF this assignment is executed by said ASSIGNORS, on the

| respective date(s) indicated below. | giment is executed by said AS. |
|--|--------------------------------|
| First Assignor: | |
| Tuhashi Hihukawa | 25/3/ 2005 |
| Takashi KIKUKAWA | Date |
| Second Assignor Larutoshie Fukuzawa 29/3/2005 | |
| Narutoshi FUKUZAWA | Date |
| Third Assignor | |
| Tatsutine Kobayashi | 25/ 3/ 2005 |

Tatsuhiro KOBAYASHI

RECORDED: 04/07/2005

PATENT REEL: 016459 FRAME: 0521

Date