To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Kabushiki Kaisha Toshiba

2. Name and address of receiving party(ies):
Name: Toshiba Materials Co., Ltd. (50%)
Address: 8, Shinsugita-cho, Isogo-ku
Yokohama-shi,
Kanagawa-ken
Japan

3. Nature of Conveyance:
- Assignment
- Security Agreement
- Change of Name
- Other

Execution Date: December 25, 2007

4. Application number(s) or patent number(s):
- This document is being filed together with a new application

A. Patent Application No.(s)

B. Patent No.(s)
5,294,321
5,447,616
5,733,427
6,309,593
6,352,628

5. Name and address of party to whom correspondence concerning document should be mailed:
Customer Number
22850
Tel. (703) 413-2000
Fax. (703) 413-2220

6. Total applications and patents involved: 5

7. Total fee (37 CFR 3.41): $200.00
- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 15-0030
(Attach duplicate copy of this page if paying by deposit account)

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.

Marvin J. Spivak
Name of Person Signing

Signature

Date

Registration Number: 24,913

Total number of pages including this cover sheet: 3

Mail documents to be recorded with required cover sheet information to:
Director of the United States Patent and Trademark Office
Mail Stop Assignment Recordation Services
Alexandria, Virginia. 22313

700355291

PATENT

REEL: 020317 FRAME: 0802
ASSIGNMENT

WHEREAS, Kabushiki Kaisha Toshiba of 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan, a corporation organized and existing under the laws of the Country of Japan is the sole and exclusive owner, by assignment, of the following Letters Patent of the United States of America:

<table>
<thead>
<tr>
<th>Patent Number</th>
<th>Issue Date</th>
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<tbody>
<tr>
<td>5,294,321</td>
<td>March 15, 1994</td>
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<tr>
<td>5,447,616</td>
<td>September 5, 1995</td>
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<tr>
<td>5,733,427</td>
<td>March 31, 1998</td>
</tr>
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<td>6,309,593</td>
<td>October 30, 2001</td>
</tr>
<tr>
<td>6,352,628</td>
<td>March 5, 2002</td>
</tr>
</tbody>
</table>

WHEREAS, Toshiba Materials Co., Ltd. of 8, Shinsugita-cho, Isogo-ku, Yokohama-shi, Kanagawa-ken, Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring an undivided one-half right, title and interest in and to said Letters Patent;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS ($5.00) and other valuable consideration, the receipt of which is hereby acknowledged, Kabushiki Kaisha Toshiba by these presents do sell, assign, and transfer unto ASSIGNEE an undivided one-half right, title and interest for the territory of the United States of America, in and to the aforesaid Letters Patent and the inventions described therein, and any reissue or reissues of said Letters Patent to the full end of the term for which said Letters Patent have been granted or reissues may be granted, said inventions and Letters Patent to be held and enjoyed by the ASSIGNEE to the extent of the interest hereby assigned, for the use and behoof of said ASSIGNEE, and for the use and behoof of their successors, assigns or other legal representatives, and
for claims for damage by reasons of infringement past and present, to the extent hereby assigned, as the same would have been held by us had this Assignment and sale not been made.

IN TESTIMONY WHEREOF, Kabushiki Kaisha Toshiba has caused these presents to be signed by its officer thereunto duly authorized.

KABUSHIKI KAISHA TOSHIBA

Date: December 25, 2007

By: ____________________________

Name: Taisuke KATO
Title: General Manager,
Intellectual Property Division