**RECORDATION FORM COVER SHEET**

**PATENTS ONLY**

**U.S. DEPARTMENT OF COMMERCE**

**U.S. Patent and Trademark Office**

---

**To the U.S. Patents and Trademarks: Please record the attached documents or the new address(es) below.**

**1. Name of conveying party(ies)/Execution Date(s):**

Hitachi, Ltd.

Execution Date(s): January 20, 2005.

**2. Name and address of receiving party(ies)**

Name: Hitachi Global Storage Technologies Japan, Ltd.

Internal

Address:

Street Address: 2880, Kozu, Odawara-shi, Kanagawa-ken, Japan

City: State: Zip:

Add Additional name(s) & address(es) attached? 

Yes ❑ No ❑

**3. Nature of conveyance:**

☑ Assignment

❑ Merger

☐ Security Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other .

---

**4. Application number(s) or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

See Attachment A

B. Patent Registration No.(s)

---

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

Name: Mattingly, Stanger, Malur & Brundidge, P.C.

Address: 1800 Diagonal Road, Suite 370

Alexandria, Virginia 22314

---

**6. Total number of applications and patents involved 18.**

---

**7. Total fee (37 CFR 3.41) $720.00**

☒ Enclosed

☐ Authorized to be charged to deposit account

---

**8. Deposit account number:**

50-1417

(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.

John R. Mattingly

Name of Person Signing, Reg. No.: 30,283

Signature

January 31, 2005

Date

---

**Total number of pages including cover sheet, attachments, and document: 5**

Documents to be recorded (including cover sheet) should be faxed to (703) 305-5995, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, Va. 22313-1450

---

**PATENT**

**REEL: 015635 FRAME: 0362**
**Attachment A**

**Additional Application Numbers:**

<table>
<thead>
<tr>
<th>Application Number 1</th>
<th>Application Number 2</th>
<th>Application Number 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/388,472</td>
<td>10/217,452</td>
<td>10/387,381</td>
</tr>
<tr>
<td>10/645,584</td>
<td>09/930,215</td>
<td>10/372,921</td>
</tr>
<tr>
<td>10/231,253</td>
<td>09/930,161</td>
<td>10/368,572</td>
</tr>
<tr>
<td>10/206,211</td>
<td>10/433,103</td>
<td>10/373,018</td>
</tr>
<tr>
<td>10/231,264</td>
<td>10/198,140</td>
<td>10/365,394</td>
</tr>
<tr>
<td>10/413,481</td>
<td>10/245,385</td>
<td>10/422,943</td>
</tr>
</tbody>
</table>
ASSIGNMENT

WHEREAS, Hitachi, Ltd. is either the sole owner or a joint owner with others, by assignment, of the following US patent application serial numbers:

Listed in Attachment A

WHEREAS, Hitachi Global Storage Technologies Japan, Ltd., a corporation organized under the laws of Japan, having its place of business at 2880, Kozu, Odawara-shi, Kanagawa-ken, Japan, is desirous of acquiring the entire right, title and interest in, to and under the inventions which are at least covered by the US patent application serial numbers as listed in Attachment A, as now owned by Hitachi, Ltd. and thereby become either a sole owner or a joint owner with others;

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the said Hitachi, Ltd. has sold, assigned, transferred and set over and does hereby sell, assign, transfer and set over to the said Hitachi Global Storage Technologies Japan, Ltd., its entire right, title and interest in the said inventions, including applications for Letters Patents for which benefit under 35 U.S.C. § 120 has been claimed in the US patent application serial numbers as listed in Attachment A, any continuations and divisions thereof and any Letters Patent issued or issuing thereon, and any reissue or reissues of said Letters Patents which may be granted, the same to be held and enjoyed by said Hitachi Global Storage Technologies Japan, Ltd.
for its own use and enjoyment solely or with others, and for the use and enjoyment of its successors, assigns, or other legal representatives, to the end of the term for which said Letter Patents of the United States are granted or reissued as fully and entirely as the same would have been held and enjoyed by the said Hitachi, Ltd., if this assignment and sale had not been made.

Hitachi, Ltd.

Date: JAN. 20, 2005

By: Yasuo SAKUTA, Patent Attorney
Title: Executive Officer
Intellectual Property Group
(Authorized Signing Officer)
### Attachment A

<table>
<thead>
<tr>
<th>No.</th>
<th>Application No.</th>
<th>Date Filed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10/388,472</td>
<td>March 17, 2003</td>
</tr>
<tr>
<td>2</td>
<td>10/645,584</td>
<td>August 22, 2003</td>
</tr>
<tr>
<td>3</td>
<td>10/231,253</td>
<td>August 30, 2002</td>
</tr>
<tr>
<td>4</td>
<td>10/206,211</td>
<td>July 29, 2002</td>
</tr>
<tr>
<td>5</td>
<td>10/231,264</td>
<td>August 30, 2002</td>
</tr>
<tr>
<td>6</td>
<td>10/413,481</td>
<td>April 15, 2003</td>
</tr>
<tr>
<td>7</td>
<td>10/217,452</td>
<td>August 14, 2002</td>
</tr>
<tr>
<td>8</td>
<td>09/930,215</td>
<td>August 16, 2001</td>
</tr>
<tr>
<td>9</td>
<td>09/930,161</td>
<td>August 16, 2001</td>
</tr>
<tr>
<td>10</td>
<td>10/433,103</td>
<td>May 30, 2003</td>
</tr>
<tr>
<td>11</td>
<td>10/198,140</td>
<td>July 19, 2002</td>
</tr>
<tr>
<td>12</td>
<td>10/245,385</td>
<td>September 10, 2002</td>
</tr>
<tr>
<td>13</td>
<td>10/387,381</td>
<td>March 14, 2003</td>
</tr>
<tr>
<td>14</td>
<td>10/372,921</td>
<td>February 26, 2003</td>
</tr>
<tr>
<td>15</td>
<td>10/368,572</td>
<td>February 20, 2003</td>
</tr>
<tr>
<td>16</td>
<td>10/373,018</td>
<td>February 26, 2003</td>
</tr>
<tr>
<td>17</td>
<td>10/365,394</td>
<td>February 13, 2003</td>
</tr>
<tr>
<td>18</td>
<td>10/422,943</td>
<td>April 25, 2003</td>
</tr>
</tbody>
</table>