

02-11-2004

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To the 102666736 Trademark Office:
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2.6-04

<p>1. Name of conveying party(ies): [FAMILY NAME (ALL CAPS), Given Name] IWATA, Hiroshi SHIBATA, Akihide ARAI, Nobutoshi OGURA, Takayuki ADACHI, Kouichirou</p> <p>Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> YES</p>	<p>2. Name and address of receiving party(ies)</p> <p>(1) Sharp Kabushiki Kaisha 22-22, Nagaike-cho, Abeno-ku Osaka-shi, Osaka 545-8522 JAPAN;</p> <p>(2) Yukio YASUDA 130, Gogouike, Nagakute-cho Aichi-gun, Aichi 480-1156, JAPAN;</p> <p>(3) Shigeaki ZAIMA 5-64, Takakuradai 5-chome Kasugai-shi, Aichi 487-0017, JAPAN; and</p> <p>(4) Akira SAKAI 6-205, Takinomizu-juutaku, 3-252 Shinonokaze, Midori-ku, Nagoya-shi Aichi 458-0015 JAPAN</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment</p> <p>Execution Dates: September 12, 2003; September 17, 2003; September 22, 2003, September 30, 2003; October 2, 2003; and October 3, 2003</p>	

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:


<p>A. Patent Application No(s). 10/468,738</p>	<p>B. Patent No.(s).</p>
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Additional numbers attached? YES NO

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP Street Address: P.O. BOX 747 City: FALLS CHURCH State: VA ZIP: 22040-0747 Country: USA</p>	<p>6. Total No. of applications/patents involved: one (1)</p> <p>7. Total fee (37 C.F.R. § 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account, if no fee attached.</p> <p>8. Deposit account number: <u>02-2448</u></p> <p>(Attach triplicate copy of this page if paying by deposit account)</p>
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9. Statement and signature.

<p><u>Charles Gorenstein, #29,271</u> Name of Person Signing/Reg. No.</p>	 Signature	<p><u>February 6, 2004</u> Date</p>
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Total number of pages including cover sheet, attachments, and document: **Four (4)**

CG/RWD/jeb
(Rev. 09/30/03)

02/10/2004 MGETACHE 00000176 10468738

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Attachment to
RECORDATION FORM COVER SHEET

Continuation of Box 1--Name of conveying party(ies):

KAKIMOTO, Seizo

YASUDA, Yukio

ZAIMA, Shigeaki

SAKAI, Akira

Continuation of Box 2--Name and address of receiving party(ies):

Continuation of Box 4--Application number(s) or patent number(s):

ASSIGNMENT

Application No. 10/468,738

Filed August 22, 2003

Insert Name(s) of Inventor(s)

WHEREAS, Hiroshi IWATA, Akihide SHIBATA, Nobutoshi ARAI,
Takayuki OGURA, Kouichirou ADACHI,
Seizo KAKIMOTO, Yukio YASUDA, Shigeaki ZAIMA,
Akira SAKAI

Insert Title of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
MEMORY FILM, METHOD OF MANUFACTURING THE MEMORY FILM, MEMORY ELEMENT,
SEMICONDUCTOR STORAGE DEVICE, SEMICONDUCTOR INTEGRATED CIRCUIT, AND
PORTABLE ELECTRONIC EQUIPMENT

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date of Signing of Application

September 12, 2003, September 17, 2003, September 22, 2003,
September 30, 2003, October 2, 2003 and October 3, 2003; and

Insert Name of Assignee(s)

WHEREAS,
(1) SHARP KABUSHIKI KAISHA of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan;
(2) Yukio YASUDA of 130, Gogouike, Nagakute-cho, Aichi-gun, Aichi 480-1156 Japan;
(3) Shigeaki ZAIMA of 5-64, Takakuradai 5-chome, Kasugai-shi, Aichi 487-0017 Japan; and
(4) Akira SAKAI of 6-205, Takinomizu-juutaku, 3-252, Shinonokaze, Midori-ku, Nagoya-shi, Aichi 458-0015 Japan

Insert Address of Assignee(s)

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX IF APPROPRIATE

in any and all foreign countries,

OWNERSHIP INTEREST

in equal undivided amounts unless specific undivided amounts are listed below:
Assignee 1 (50%); Assignee 2 (50% / 3); Assignee 3 (50% / 3); Assignee 4 (50% / 3).

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>Sep. 12, 2003</u>	Name of Inventor	<u>Hiroshi Iwata</u> (signature)
Date	<u>Sept. 12, 2003</u>	Name of Inventor	<u>Akihiko Shibata</u> (signature)
Date	<u>Sept 12, 2003</u>	Name of Inventor	<u>Nobutoshi Arao</u> (signature)
Date	<u>Sept 22, 2003</u>	Name of Inventor	<u>Takayuki Ogura</u> (signature)
Date	<u>Sept. 12, 2003</u>	Name of Inventor	<u>Kouichirou Adachi</u> (signature)
Date	<u>Sept. 19, 2003</u>	Name of Inventor	<u>Seizo Kabimoto</u> (signature)
Date	<u>Oct. 2, 2003</u>	Name of Inventor	<u>Yusui Yasuda</u> (signature)
Date	<u>Oct. 3, 2003</u>	Name of Inventor	<u>Shigeaki Zaim</u> (signature)
Date	<u>Sep. 30, 2003</u>	Name of Inventor	<u>Akira Sakai</u> (signature)