

05-03-1999

Atty. Docket No.: 2282-124P

Page 1 of 2

MRD

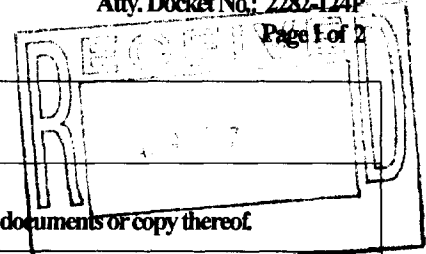


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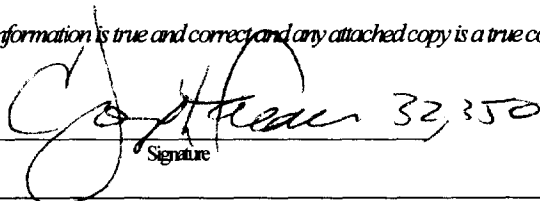
REC

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COVER SHEET



To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Toshinori SUGIYAMA; Masashi SUENAGA; Hitoshi WATANABE; Shinitsu KINOSHITA</p> <p>Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: HITACHI MAXELL, LTD.</p> <p>Internal Address:</p> <p>Street Address: 1-88, Ushitora 1-chome, Ibaraki-shi,</p> <p>City: Osaka State: ZIP:</p> <p>Country: JAPAN Postal Code:</p> <p>Additional name(s) &amp; address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other:</p> <p>Execution Date: Sept. 30, 1998; Oct. 1, 1998; Sept. 30, 1998; Sept. 30, 1998; Oct. 6, 1998 &amp; Oct. 31, 1998 respectively</p>	<p>4. Application number(s) or patent number(s): 09/155,988</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No(s). 09/155,988</p> <p>B. Patent No.(s).</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP</p> <p>Street Address: P.O. BOX 747</p> <p>City: FALLS CHURCH State: VA ZIP: 22040-0747</p> <p>Country: USA</p>	<p>6. Total number of applications and 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 type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 02-2448</p> <p>(Attach triplicate copy of this page if paying by deposit account)</p>
DO NOT USE THIS SPACE	
<p>9. Statement and signature.</p> <p><i>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</i></p> <p> Raymond C. Stewart/Reg. No. 21.066 Name of Person Signing/Reg. No.</p> <p> 32,350 Signature</p> <p>April 27, 1999 Date</p>	
Total number of pages including cover sheet, attachments, and document: Eleven (11)	

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, DC 20231

04/30/1999 BNGUYEN 00000121 09155988

01 FC:581

40.00 DP

PATENT  
REEL: 9916 FRAME: 0965

Attachment to  
RECORDATION FORM COVER SHEET

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

**Hirofumi SUKEDA**  
**Hisataka SUGIYAMA**

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

**HITACHI, LTD.**  
**6, Kandasurugadai 4-chome, Chiyoda-ku, Tokyo, JAPAN**

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

**BIRCH, STEWART, KOLASCH & BIRCH  
United States Patent Rights**

ATTORNEY DOCKET NO.  
2282-124P

**ASSIGNMENT**

Serial No. 09/155,988

Filed October 9, 1998

WHEREAS, Toshinori SUGIYAMA, Masashi SUENAGA,

Hitoshi WATANABE and Shinitzu KINOSHITA

Insert Name(s)  
of Inventor(s)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in \_\_\_\_\_

Insert Title  
of Invention

OPTICAL RECORDING MEDIUM

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Insert Date  
of Signing of  
Application

on September 30, 1998; October 1, 1998; September 30, 1998; and  
and September 30, 1998; respectively,  
WHEREAS, HITACHI MAXELL, LTD.

Insert Name  
of Assignee

\_\_\_\_\_  
\_\_\_\_\_

Insert Address  
of Assignee

of 1-88, Ushitora 1-chome, Ibaraki-shi, Osaka, JAPAN

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;

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 do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and 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 and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations 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 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 interference which may be declared concerning this application or continuation, division or reissue thereof or Letters 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 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 Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing 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 and Birch 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.

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

Date Sept 30, 1998, Name of Inventor Joshinori Sugiyama (signature) (SEAL)

Date Oct. 1, 1998, Name of Inventor Masashi Suenaga (signature) (SEAL)

Date Sept. 30, 1998, Name of Inventor Nitoh Watanabe (signature) (SEAL)

Date Sept, 30, 1998, Name of Inventor Shinitsu Kinoshita (signature) (SEAL)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (signature) (SEAL)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

Witness Kaichi Otsuka

Witness Satoshi Yamagata

Witness Yutaro Nakayama

**BIRCH, STEWART, KOLASCH & BIRCH  
United States Patent Rights**

ATTORNEY DOCKET NO. 2282-124P

**ASSIGNMENT**

Serial No. 09/155,988

Filed October 9, 1998

WHEREAS, Hirofumi SUKEDA and Hisataka SUGIYAMA

Insert Name(s)  
of Inventor(s)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Insert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in \_\_\_\_\_  
OPTICAL RECORDING MEDIUM  
\_\_\_\_\_

Insert Date  
of Signing of  
Application

for which an application for Letters Patent of the United States of America has been executed by the undersigned  
on October 6, 1998 and October 31, 1998, respectively,; and

Insert Name  
of Assignee

WHEREAS, HITACHI, LTD.  
\_\_\_\_\_  
\_\_\_\_\_

Insert Address  
of Assignee

of 6, Kandasurugadai 4-chome, Chiyoda-ku, Tokyo, JAPAN  
\_\_\_\_\_

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;

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 do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and 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 and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations 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 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 this application or continuation, division or reissue thereof or Letters 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 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 Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing 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 and Birch 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.

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

Date Oct. 6, 1998, Name of Inventor [Signature] (signature) (SEAL)

Date Oct. 31, 1998, Name of Inventor [Signature] (signature) (SEAL)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (signature) (SEAL)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (signature) (SEAL)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (signature) (SEAL)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

Witness [Signature]

Witness [Signature] November 11, 1998

Witness \_\_\_\_\_