



Docket No.: 70551-55784

D \$

FORM PTO-1595 (Modified) (Rev. 6-93) OMB No. 0651-0011 (exp 4/94) Copyright 1996-97 LegalStar P08A/REV02

08-14-2001

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office



101810531

Tab settings

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

1. Name of conveying party(ies):

Junsaku Nakajima
Hitoshi Takeuchi
Masaru Nomura
Kenji Ohta

8-6-01

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

Name: Sharp Kabushiki Kaisha

Address: 22-22, Nagaike-cho

Abeno-ku, Osaka-shi

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

City: Osaka State/Prov.:

Country: JAPAN ZIP:

Execution Date: May 16, 2001

Additional name(s) & address(es) Yes No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.	Filing date
09/824,554	April 2, 2001

B. Patent No.(s)

Additional numbers Yes No

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

Name: David G. Conlin

Registration No. 27026

Address: Dike, Bronstein, Roberts & Cushman

Intellectual Property Practice Group - Edwards & Angell

P.O. Box 9169

City: Boston State/Prov.: MA

Country: USA ZIP: 02209

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
- Authorized to be charged to deposit account

8. Deposit account number:

04-1105

08/13/2001 6TOM11 00000049 09824554

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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.

David G. Conlin

July 31, 2001

Name of Person Signing

Signature

3

Date

Total number of pages including cover sheet, attachments, and

ATTORNEY DOCKET NO.

55,784(70551)

ASSIGNMENT

Application No. _____

Filed April 2, 2001

Insert Name(s)
of Inventor(s) ➡

WHEREAS, Junsaku NAKAJIMA, Hitoshi TAKEUCHI,
Masaru NOMURA and Kenji OHTA

Insert Title
of Invention ➡

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____
OPTICAL RECORDING MEDIUM RECORDED WITH INFORMATION IN DEPTH
DIRECTION, AND METHOD AND APPARATUS OF REPRODUCTION THEREFROM

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 _____; and

Insert Name
of Assignee ➡

WHEREAS, Sharp Kabushiki Kaisha

Insert Address
of Assignee ➡

of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka, Japan

CHECK BOX
IF APPROPRIATE ➡

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
 in any and all foreign countries.

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 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 any 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 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) the 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 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 Dike, Bronstein, Robert & Cushman 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.

Date	<u>May 16, 2001</u>	Name of Inventor	<u>Junsaku Nakajima</u> (signature) Junsaku NAKAJIMA
Date	<u>May 16, 2001</u>	Name of Inventor	<u>Hitoshi Takeuchi</u> (signature) Hitoshi TAKEUCHI
Date	<u>May 16, 2001</u>	Name of Inventor	<u>Masaru Nomura</u> (signature) Masaru NOMURA
Date	<u>May 16, 2001</u>	Name of Inventor	<u>Kenji Ohta</u> (signature) Kenji OHTA
Date	_____	Name of Inventor	_____ (signature)
Date	_____	Name of Inventor	_____ (signature)
Date	_____	Name of Inventor	_____ (signature)
Date	_____	Name of Inventor	_____ (signature)
Date	_____	Name of Inventor	_____ (signature)
Date	_____	Name of Inventor	_____ (signature)