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U.S. DEPARTMENT OF COMMERCE

R SHEET

Patent and Trademark Office
Docket No. 360842000800

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

1. Name of conveying party(ies):
Toshihisa NONAKA, Gentaro OHBAYASHI and Kusato HIROTA

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State Other

Additional name(s) of conveying party(ies) attached? Yes No

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

Name: Toray Industries, Inc.
2-1, Nihonbashi-Muromachi 2-chome
Chuo-ku, Tokyo 103 Japan

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other:

Execution Date: July 22, 1998 and July 15, 1998

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:

A. Patent Application No.(s) B. Patent No.(s)
08/553,640

Additional numbers attached? Yes No

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

Barry E. Bretschneider
Morrison & Foerster LLP
2000 Pennsylvania Avenue, N.W.
Washington, D.C. 20006-1888

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account, referencing Attorney Docket

8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952

DO NOT USE THIS SPACE

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.

Name: Richard D. Jordan
Registration No: 33,519

Signature

August 6, 1998
Date

Total number of pages comprising cover sheet, attachments and document: 3

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40.00 DP

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, We, Toshihisa NONAKA, a citizen of Japan, residing at 769-153, Oishi Higashi-cho, Otsu-shi, Shiga 520-22 Japan and Gentaro OHBAYASHI, a citizen of Japan residing at 2328-16, Noji-cho, Kusatsu-shi, Shiga 525 Japan and Kusato HIROTA, a citizen of Japan, residing at A1-22, 10, Sonoyama 2-chome, Otsu-shi, Shiga 520 Japan (hereinafter referred to as the undersigned), having made an invention entitled OPTICAL RECORDING MEDIA AND THEIR PRODUCTION METHODS the undersigned executed an application for Letters Patent of the United States of America,

WHEREAS, Toray Industries, Inc., a corporation of Japan, with offices at 2-1 Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103 Japan (hereinafter referred to assignee), is desirous of acquiring the entire right, title and interest in said invention, said application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said patent application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on July 22, 1998, at Shiga

Witnesses:

The Undersigned:

Toshihisa Nonaka
Toshihisa NONAKA

Gentaro Ohbayashi
Gentaro OHBAYASHI

Kusato HIROTA

ASSIGNMENT

WHEREAS, We, Toshihisa NONAKA, a citizen of Japan, residing at 769-153, Oishi Higashi-cho, Otsu-shi, Shiga 520-22 Japan and Gentaro OHBAYASHI, a citizen of Japan residing at 2328-16, Noji-cho, Kusatsu-shi, Shiga 525 Japan and Kusato HIROTA, a citizen of Japan, residing at A1-22, 10, Sonoyama 2-chome, Otsu-shi, Shiga 520 Japan (hereinafter referred to as the undersigned), having made an invention entitled OPTICAL RECORDING MEDIA AND THEIR PRODUCTION METHODS the undersigned executed an application for Letters Patent of the United States of America,

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It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on July 15, 1998, at Tucson, AZ, USA

Witnesses:

The Undersigned:

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Toshihisa NONAKA

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Gentaro OHBAYASHI

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Kusato HIROTA

Kusato Hirota

PATENT