

01-02-2001

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

12/14/00

101567391

9/736805

RECORDATION FORM COVER SHEET  
PATENTS ONLY

JC714 U.S. PTO  
09/736805  
12/14/00

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New

Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_

Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Conveyance Type

Assignment  Security Agreement

License  Change of Name

Merger  Other \_\_\_\_\_

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached Execution Date  
Month Day Year

Name (line 1) Toshiaki Motonaga 12/6/00

Name (line 2) \_\_\_\_\_

Second Party

Execution Date  
Month Day Year

Name (line 1) Toshifumi Yokoyama 12/6/00

Name (line 2) \_\_\_\_\_

Receiving Party

Mark if additional names of receiving parties attached

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) Dai Nippon Printing Co., Ltd.

Name (line 2) 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku,

Address (line 1) \_\_\_\_\_

Address (line 2) \_\_\_\_\_

Address (line 3) Tokyo-to Japan 162-8001  
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Timothy J. Keefer

Address (line 1) Wildman, Harrold, Allen & Dixon

Address (line 2) 225 West Wacker Drive

Address (line 3) Chicago, Illinois 60606

Address (line 4) United States of America

01/02/2001 DNGUYEN 00000216 09736805

FOR OFFICE USE ONLY

01 FC:581

40.00 RP

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

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

PATENT  
REEL: 011372 FRAME: 0623

# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

## Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Takafumi Okamura

Execution Date  
Month Day Year  
12/6/00

Name (line 2)

Name (line 1) Yoshinori Kinase

Execution Date  
Month Day Year  
12/6/00

Name (line 2)

Name (line 1) Hiroshi Mohri

Execution Date  
Month Day Year  
12/6/00

Name (line 2)

## Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)  
City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)  
City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

## Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)


Patent Number(s)


JC714 U.S. PTO  
09/7/36605  
12/14/00

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

DEC 14 U.S. PTO  
09/736805

12/14/00

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Junji Fujikawa

Execution Date  
Month Day Year  
12/6/00

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) Hiro-o Nakagawa

12/6/00

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) Shigeki Sumida

12/6/00

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)  
City State/Country Zip Code

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)  
City State/Country Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Grid of 5 rows and 3 columns for Patent Application Number(s)

Grid of 5 rows and 3 columns for Patent Number(s)

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

JC714 U.S. PTO  
09/7/36805  
12/14/00

Receiving Party(ies)

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Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

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Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
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<input type="text"/>	<input type="text"/>	<input type="text"/>

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. #

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

**Number of Properties**

Enter the total number of properties involved. #

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed  Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

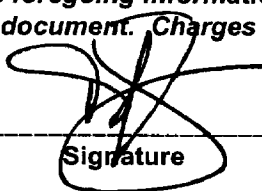
Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.*

Timothy J. Keefer, Reg. No. 35,567

Name of Person Signing



Signature

12/14/2000  
Date

**ASSIGNMENT OF APPLICATION**

Docket Number (Optional)

TJK/145

Whereas, I, Toshiaki MOTONAGA of Shinjuku-ku, Tokyo-to, Japan, hereafter referred to as applicant, have invented certain new and useful improvements in BLANK FOR HALFTONE PHASE SHIFT PHOTOMASK AND HALFTONE PHASE SHIFT PHOTOMASK

for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_ / \_\_\_\_\_.

for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, DAI NIPPON PRINTING CO., LTD of Japan herein referred to "assignee" whose post office address is 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, Tokyo-to, 162-8001 Japan is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 6th day of December, 2000 at Shinjuku-ku, Tokyo-to, Japan

Toshiaki Motonaga  
\_\_\_\_\_  
(Signature)

State of \_\_\_\_\_ ) SS:  
County of \_\_\_\_\_ )

Before me personally appeared said \_\_\_\_\_ and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

Seal

\_\_\_\_\_  
(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

**ASSIGNMENT OF APPLICATION**

Docket Number (Optional)

TJK/145

Whereas, I, Toshifumi YOKOYAMA of Shinjuku-ku, Tokyo-to, Japan, hereafter referred to as applicant, have invented certain new and useful improvements in BLANK FOR HALFTONE PHASE SHIFT PHOTOMASK AND HALFTONE PHASE SHIFT PHOTOMASK

- for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_ / \_\_\_\_\_.
- for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, DAI NIPPON PRINTING CO., LTD of Japan herein referred to 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, "assignee" whose post office address is Tokyo-to, 162-8001 Japan is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 6th day of December, 2000 at Shinjuku-ku, Tokyo-to, Japan

Toshifumi Yokoyama  
(Signature)

State of \_\_\_\_\_ ) SS:  
County of \_\_\_\_\_ )

Before me personally appeared said \_\_\_\_\_ and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

Seal

\_\_\_\_\_  
(Notary Public)

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)

TJK/145

Whereas, I, Takafumi OKAMURA of Shinjuku-ku, Tokyo-to, Japan, hereafter referred to as applicant, have invented certain new and useful improvements in BLANK FOR HALFTONE PHASE SHIFT PHOTOMASK AND HALFTONE PHASE SHIFT PHOTOMASK

for which an application for a United States Patent was filed on \_\_\_\_\_ Application Number \_\_\_\_\_/\_\_\_\_\_.

for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, DAI NIPPON PRINTING CO., LTD of Japan herein referred to "assignee" whose post office address is 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, Tokyo-to, 162-8001 Japan is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 6th day of December, 2000 at Shinjuku-ku, Tokyo-to, Japan

Takafumi Okamura  
(Signature)

State of \_\_\_\_\_ ) SS:  
County of \_\_\_\_\_ )

Before me personally appeared said \_\_\_\_\_ and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

Seal

(Notary Public)

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)

TJK1145

Whereas, I, Yoshinori KINASE of Shinjuku-ku, Tokyo-to, Japan, hereafter referred to as applicant, have invented certain new and useful improvements in BLANK FOR HALFTONE PHASE SHIFT PHOTOMASK AND HALFTONE PHASE SHIFT PHOTOMASK

- for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_/\_\_\_\_\_.
- for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, DAI NIPPON PRINTING CO., LTD of Japan herein referred to "assignee" whose post office address is 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, Tokyo-to, 162-8001 Japan is de-

sirous of acquiring the entire right, title and interest in the same;  
Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 6th day of December, 2000 at Shinjuku-ku, Tokyo-to, Japan

Yoshinori Kinase  
(Signature)

State of \_\_\_\_\_ ) SS:  
County of \_\_\_\_\_ )

Before me personally appeared said \_\_\_\_\_ and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

Seal

\_\_\_\_\_  
(Notary Public)

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)

TJK/145

Whereas, I, Hiroshi MOHRI of Shinjuku-ku, Tokyo-to, Japan, hereafter referred to as applicant, have invented certain new and useful improvements in BLANK FOR HALFTONE PHASE SHIFT PHOTOMASK AND HALFTONE PHASE SHIFT PHOTOMASK

- for which an application for a United States Patent was filed on \_\_\_\_\_ Application Number \_\_\_\_\_/\_\_\_\_\_.
- for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, DAI NIPPON PRINTING CO., LTD of Japan herein referred to "assignee" whose post office address is 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, Tokyo-to, 162-8001 Japan is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 6th day of December, 2000 at Shinjuku-ku, Tokyo-to, Japan

Hiroshi Mohri  
(Signature)

State of \_\_\_\_\_) SS:  
County of \_\_\_\_\_)

Before me personally appeared said \_\_\_\_\_ and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

Seal

(Notary Public)

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# ASSIGNMENT OF APPLICATION

Docket Number (Optional)

TJK/145

Whereas, I, Junji FUJIKAWA of Shinjuku-ku, Tokyo-to, Japan, hereafter referred to as applicant, have invented certain new and useful improvements in BLANK FOR HALFTONE PHASE SHIFT PHOTOMASK AND HALFTONE PHASE SHIFT PHOTOMASK

- for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_/\_\_\_\_\_.
- for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, DAI NIPPON PRINTING CO., LTD of Japan herein referred to "assignee" whose post office address is 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, Tokyo-to, 162-8001 Japan is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 6th day of December, 2000 at Shinjuku-ku, Tokyo-to, Japan

Junji Fujikawa  
(Signature)

State of \_\_\_\_\_) SS:  
County of \_\_\_\_\_)

Before me personally appeared said \_\_\_\_\_ and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)

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Whereas, I, Hiro-o NAKAGAWA of Shinjuku-ku, Tokyo-to, Japan, hereafter referred to as applicant, have invented certain new and useful improvements in BLANK FOR HALFTONE PHASE SHIFT PHOTOMASK AND HALFTONE PHASE SHIFT PHOTOMASK

for which an application for a United States Patent was filed on \_\_\_\_\_ Application Number \_\_\_\_\_ / \_\_\_\_\_

for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, DAI NIPPON PRINTING CO., LTD of Japan herein referred to "assignee" whose post office address is 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, Tokyo-to, 162-8001 Japan is desirous of acquiring the entire right, title and interest in the same;

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Executed this 6th day of December, 2000 at Shinjuku-ku, Tokyo-to, Japan

Hiro-o Nakagawa  
(Signature)

State of \_\_\_\_\_) SS:  
County of \_\_\_\_\_)

Before me personally appeared said \_\_\_\_\_ and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

Seal

\_\_\_\_\_  
(Notary Public)

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### ASSIGNMENT OF APPLICATION

Docket Number (Optional)

TJK/145

Whereas, I, Shigeki SUMIDA of Shinjuku-ku, Tokyo-to, Japan, hereafter referred to as applicant, have invented certain new and useful improvements in BLANK FOR HALFTONE PHASE SHIFT PHOTOMASK AND HALFTONE PHASE SHIFT PHOTOMASK

for which an application for a United States Patent was filed on \_\_\_\_\_  
Application Number \_\_\_\_\_/\_\_\_\_\_

for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, DAI NIPPON PRINTING CO., LTD of Japan herein referred to as "assignee" whose post office address is 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, Tokyo-to, 162-8001 Japan is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 6th day of December, 2000  
at Shinjuku-ku, Tokyo-to, Japan

Shigeki Sumida  
(Signature)

State of \_\_\_\_\_ ) SS:  
County of \_\_\_\_\_ )

Before me personally appeared said \_\_\_\_\_  
and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_  
day of \_\_\_\_\_, 19\_\_\_\_.

Seal

(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)

TJK/145

Whereas, I, Satoshi YUSA of Shinjuku-ku, Tokyo-to, Japan, hereafter referred to as applicant, have invented certain new and useful improvements in BLANK FOR HALFTONE PHASE SHIFT PHOTOMASK AND HALFTONE PHASE SHIFT PHOTOMASK

for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_/\_\_\_\_\_.

for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, DAI NIPPON PRINTING CO., LTD of Japan herein referred to "assignee" whose post office address is 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, Tokyo-to, 162-8001 Japan is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 6th day of December, 200000, at Shinjuku-ku, Tokyo-to, Japan

Satoshi Yusa  
\_\_\_\_\_  
(Signature)

State of \_\_\_\_\_ ) SS:  
County of \_\_\_\_\_ )

Before me personally appeared said \_\_\_\_\_ and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

Seal

\_\_\_\_\_  
(Notary Public)

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)

1JK/145

Whereas, I, Masashi OHTSUKI of Shinjuku-ku, Tokyo-to, Japan, hereafter referred to as applicant, have invented certain new and useful improvements in BLANK FOR HALFTONE PHASE SHIFT PHOTOMASK AND HALFTONE PHASE SHIFT PHOTOMASK

- for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_ / \_\_\_\_\_.
- for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, DAI NIPPON PRINTING CO., LTD of Japan herein referred to 1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, "assignee" whose post office address is Tokyo-to, 162-8001 Japan is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 6th day of December, 2000 at Shinjuku-ku, Tokyo-to, Japan

Masashi Ohtsuki

(Signature)

State of \_\_\_\_\_ ) SS:  
County of \_\_\_\_\_ )

Before me personally appeared said \_\_\_\_\_ and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

Seal

(Notary Public)

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