

04-09-2009



Form PTO-1595 (Rev. 03-09)
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RECORDATION FORM COVER SHEET
PATENTS ONLY

103555878

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Kouji Miyake (02/27/2009), Tsutomu Yoshimoto
(02/25/2009), Kaoru Ishikura (02/25/2009), and
Kenji Takahasi (02/27/2009)

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

2. Name and address of receiving party(ies)

Name: Sharp Kabushiki Kaisha

Internal Address: _____

Street Address:

22-22 Nagaike-cho
Abeno-ku, Osaka-shi
Osaka
545-8522
JAPAN

City: _____

State: _____

Country: _____ Zip: _____

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other _____

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

This application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: William L. Brooks
EDWARDS ANGELL PALMER & DODGE
LLP

Internal Address: Atty. Dkt.: 83738(304984)

Street Address: P.O. Box 55874

City: Boston

State: MA Zip: 02205

Phone Number: (202) 478-7376

Fax Number: (866) 658-1050

Email Address: wbrooks@eapdlaw.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 04-1105

Authorized User Name David G. Conlin

9. Signature:

William L. Brooks

Signature

March 30, 2009

Date

William L. Brooks - 34,129

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

13

04/09/2009 DRYNE 00000015 041105 12385082
01 FC:8021 40.00 DA

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made this 27 day of February, 2009,
by Kouji MIYAKE (hereinafter referred to as Assignor),
residing at _____

492, Minosho-cho, Yamatokoriyama-shi, Nara 639-1103 Japan

WHEREAS, Assignor has invented certain new and useful improvements in
Image Forming Apparatus set forth
in an application for Letters Patent of the United States, filed on
_____ as U. S. Application No. _____ and

WHEREAS, Sharp Kabushiki Kaisha,
having its principal place of business at 22-22, Nagaike-cho, Abeno-ku,
Osaka-shi, Osaka 545-8522 Japan (hereinafter referred to as
Assignee), is desirous of acquiring the entire right, title and interest in and to said
inventions and said Application for Letters Patent of the United States, and in and to
any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as

fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Provisional application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals 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 United States Patent and Trademark Office for
recording of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number: 21874

AND Assignor acknowledges an obligation of assignment of this invention to
Assignee at the time the invention was made.

Kouji Miyake
Kouji MIYAKE

February. 27. 2009
Date

Date

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made this 25 day of February, 2009,
by Tsutomu YOSHIMOTO (hereinafter referred to as Assignor),
residing at _____

582, Soone, Yamatotakada-shi, Nara 635-0054 Japan

WHEREAS, Assignor has invented certain new and useful improvements in
Image Forming Apparatus set forth
in an application for Letters Patent of the United States, filed on
as U.S. Application No. and

WHEREAS, Sharp Kabushiki Kaisha,
having its principal place of business at 22-22, Nagaike-cho, Abeno-ku,
Osaka-shi, Osaka 545-8522 Japan (hereinafter referred to as
Assignee), is desirous of acquiring the entire right, title and interest in and to said
inventions and said Application for Letters Patent of the United States, and in and to
any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as

fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Provisional application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals 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 United States Patent and Trademark Office for
recording of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number: 21874

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Tsutomu Yoshimoto

Tsutomu YOSHIMOTO

February 25, 2009

Date _____

Date _____

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made this 25 day of February, 2009,
by Kaoru ISHIKURA (hereinafter referred to as Assignor),
residing at _____

36-1-602, Okuni-cho, Nishikujo, Minami-ku, Kyoto-shi, Kyoto 601-8449 Japan

WHEREAS, Assignor has invented certain new and useful improvements in
Image Forming Apparatus set forth
in an application for Letters Patent of the United States, filed on
_____ as U.S. Application No. _____ and

WHEREAS, Sharp Kabushiki Kaisha,
having its principal place of business at 22-22, Nagaike-cho, Abeno-ku,
Osaka-shi, Osaka 545-8522 Japan (hereinafter referred to as
Assignee), is desirous of acquiring the entire right, title and interest in and to said
inventions and said Application for Letters Patent of the United States, and in and to
any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as

fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Provisional application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

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recording of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number: 21874

AND Assignor acknowledges an obligation of assignment of this invention to
Assignee at the time the invention was made.

Kaoru Ishikura
Kaoru ISHIKURA

February 25, 2009
Date

Date

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made this 27 day of February, 2009,
by Kenji TAKAHASHI (hereinafter referred to as Assignor),
residing at _____

76-1-204, Takada-cho, Yamatokoriyama-shi, Nara 639-1132, Japan

WHEREAS, Assignor has invented certain new and useful improvements in
Image Forming Apparatus set forth
in an application for Letters Patent of the United States, filed on _____
as U.S. Application No. _____ and

WHEREAS, Sharp Kabushiki Kaisha,
having its principal place of business at 22-22, Nagaike-cho, Abeno-ku,
Osaka-shi, Osaka 545-8522 Japan (hereinafter referred to as
Assignee), is desirous of acquiring the entire right, title and interest in and to said
inventions and said Application for Letters Patent of the United States, and in and to
any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as

fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

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AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Provisional application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

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recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number: 21874

AND Assignor acknowledges an obligation of assignment of this invention to
Assignee at the time the invention was made.

Kenji Takahashi
Kenji TAKAHASHI

February, 27, 2009
Date

Date