

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Katsuto Ohse</td> <td>01/11/2012</td> </tr> <tr> <td>Yasuaki Matsumori</td> <td>01/11/2012</td> </tr> <tr> <td>Yoshimi Midorikawa</td> <td>01/11/2012</td> </tr> <tr> <td>Yukiko Satou</td> <td>01/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Katsuto Ohse	01/11/2012	Yasuaki Matsumori	01/11/2012	Yoshimi Midorikawa	01/11/2012	Yukiko Satou	01/11/2012
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Yasuaki Matsumori	01/11/2012										
Yoshimi Midorikawa	01/11/2012										
Yukiko Satou	01/11/2012										
RECEIVING PARTY DATA											
Name:	Nippon Paper Industries Co., Ltd.										
Street Address:	4-1, Ohji 1-chome, Kita-ku										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	114-0002										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13375375</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13375375						
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Application Number:	13375375										
CORRESPONDENCE DATA											
Fax Number:	(919)419-0383										
Phone:	919-493-8000										
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Arles A. Taylor, Jr.										
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Address Line 2:	University Tower, Suite 1200										
Address Line 4:	Durham, NORTH CAROLINA 27707										
ATTORNEY DOCKET NUMBER:	1680/74										
NAME OF SUBMITTER:	Carly Martin										

OP \$40.00 13375375

Total Attachments: 5

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RECORDATION FORM COVER SHEET
PATENTS ONLY

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)

KATSUTO OHSE
YASUAKI MATSUMORI
YOSHIMI MIDORIKAWA
YUKIKO SATOU

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

2. Name and address of receiving party(ies)

Name: Nippon Paper Industries Co., Ltd.

Internal Address: _____

Street Address: 4-1, Ohji 1-chome, Kita-ku

City: Tokyo

State: _____

Country: Japan Zip: 114-0002

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

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

Execution Date(s): 01/11/2012

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):

A. Patent Application No.(s) 13/375,375

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Arles A. Taylor, Jr.

Jenkins, Wilson, Taylor & Hunt, P.A.

Internal Address: _____

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3100 Tower Boulevard

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Fax Number: 919-419-0383

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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 by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

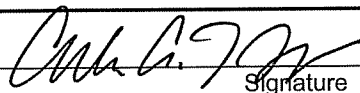
a. Credit Card Last 4 Numbers 1036
Expiration Date September 2015

b. Deposit Account Number _____

Authorized User Name _____

Attorney Docket No.: 1680/74

9. Signature:


Signature

01/26/2012
Date

Arles A. Taylor, Jr.
Name of Person Signing

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

5

PATENT

Atty. Docket No.: 1680/74

ASSIGNMENT

WHEREAS, we, Katsuto Ohse of Tokyo, JAPAN; Yasuaki Matsumori of Tokyo, JAPAN; Yoshimi Midorikawa of Tokyo, JAPAN and Yukiko Satou of Tokyo, JAPAN (hereinafter "Assignors"), have invented certain new and useful improvements in THERMOSENSITIVE RECORDING MEDIUM (hereinafter "Invention") for which application for a U.S. Patent was made on November 30, 2011 as Serial No. 13/375,375 (hereinafter "Application"), and claims priority to International Application No. PCT/JP2010/059462 filed June 3, 2010, which claims priority to Japanese Patent Application No. 2009-211199 filed September 14, 2009 and Japanese Patent Application No. 2009-135816 filed June 5, 2009.

AND, WHEREAS, Nippon Paper Industries Co., Ltd., a corporation duly organized and existing under the laws of JAPAN, having its principal office and place of business at 4-1, Ohji 1-chome, Kita-ku, Tokyo 114-0002 JAPAN (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the Assignee, its successors and assigns, their entire right, title and interest in and to the Invention and Application, and in and to any and all foreign patent applications filed on the Invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of the Application in all countries in accordance with the Paris Convention, the Patent Cooperation Treaty, or other agreement or national law under which priority can be claimed, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same

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would have been held and enjoyed by Assignors if this Assignment and sale had not been made.

Assignors hereby request that said Letters Patent be issued in accordance with this Assignment.

Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess the unencumbered right and authority to make this Assignment.

Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to the Invention, to testify in any interference or legal proceedings involving the Application or Invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the Invention in all countries and to vest in the Assignee complete title to the Invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 11 day of 1 2012.

Katsuto Ohse
Katsuto Ohse

Witnessed by:

Kumiko Nonomura 11th. Jan. 2012
Name Date

Noboru Kondo 11th. Jan. 2012
Name Date

Executed this 11 day of 1 2012.

Yasuaki Matsumori
Yasuaki Matsumori

Witnessed by:

Kumiko Nonomura 11th. Jan. 2012
Name Date

Noboru Kondo 11th. Jan. 2012
Name Date

Executed this 11 day of 1 2012.

Yoshimi Midorikawa
Yoshimi Midorikawa

Witnessed by:

Kumiko Nonomura 11th. Jan. 2012
Name Date

Noboru Kondo 11th. Jan. 2012
Name Date

Executed this 11 day of January 2012.

Yukiko Satou
Yukiko Satou

Witnessed by:

Kumiko Nonomura 11th. Jan. 2012
Name Date

Noboru Kondo 11th. Jan. 2012
Name Date
