

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>Wako Pure Chemical Industries, Ltd.</td> <td>02/21/2012</td> </tr> <tr> <td>Fuji Photo Film Co., Ltd.</td> <td>02/27/2012</td> </tr> <tr> <td>Shu Kobayashi</td> <td>03/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Wako Pure Chemical Industries, Ltd.	02/21/2012	Fuji Photo Film Co., Ltd.	02/27/2012	Shu Kobayashi	03/06/2012		
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<table border="1"> <tr> <td>Name:</td> <td>Japan Science and Technology Agency</td> </tr> <tr> <td>Street Address:</td> <td>4-1-8, Honcho Kawaguchi-shi</td> </tr> <tr> <td>City:</td> <td>Saitama</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>332-0012</td> </tr> </table>		Name:	Japan Science and Technology Agency	Street Address:	4-1-8, Honcho Kawaguchi-shi	City:	Saitama	State/Country:	JAPAN	Postal Code:	332-0012
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (919)419-0383 Phone: 919-493-8000 Email: cmartin@jwth.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Arles A. Taylor, Jr. Address Line 1: 3100 Tower Boulevard Address Line 2: University Tower, Suite 1200 Address Line 4: Durham, NORTH CAROLINA 27707</p>											
ATTORNEY DOCKET NUMBER:	1680/55										
NAME OF SUBMITTER:	Carly Martin										
<p>Total Attachments: 4 source=Assignmentasfiled#page1.tif source=Assignmentasfiled#page2.tif source=Assignmentasfiled#page3.tif source=Assignmentasfiled#page4.tif</p>											

OP \$40.00 10590206

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)

WAKO PURE CHEMICAL INDUSTRIES, LTD.
FUJI PHOTO FILM CO., LTD.
SHU KOBAYASHI

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

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

Execution Date(s): 02/21/2012; 02/27/2012; 03/06/2012

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

2. Name and address of receiving party(ies)

Name: Japan Science and Technology

Agency _____

Internal Address: _____

Street Address: 4-1-8, Honcho Kawaguchi-shi

City: Saitama

State: _____

Country: JAPAN Zip: 332-0012

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

4. Application or patent number(s):

A. Patent Application No.(s) 10/590,206

☐ 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: _____

Street Address: Suite 1200, University Tower
3100 Tower Boulevard

City: Durham

State: NC Zip: 27707

Phone Number: 919-493-8000

Fax Number: 919-419-0383

Email Address: ataylor@jwth.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 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.: 1680/55

9. Signature:


Signature

03/19/2012
Date

Arles A. Taylor, Jr.

Name of Person Signing

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

4

ASSIGNMENT

WHEREAS, we, Wako Pure Chemical Industries, Ltd., whose post office address is 1-2, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 540-8605 JAPAN; Fuji Photo Film Co., Ltd., whose post office address is 210, Nakanuma, Minami-Ashigara-shi, Kanagawa 250-0193 JAPAN; and Shu Kobayashi, whose post office address is 2-19, Kandatsukasacho, Chiyoda-ku, Tokyo 101-0048 JAPAN; (hereinafter "Assignors") have acquired ownership in an application for a U.S. patent application entitled POLYMER-SUPPORTED METAL CLUSTER COMPOSITION (hereinafter "Invention"), which was filed on August 22, 2006 as Serial No. 10/590,206 (hereinafter "Application"), from the inventors in an assignment recorded with the United States Patent and Trademark Office on August 22, 2006 on Reel 018222, Frame 0909.

AND, WHEREAS, Japan Science and Technology Agency, a corporation duly organized and existing under the laws of Japan, whose post office address is 4-1-8, Honcho Kawaguchi-shi, Saitama 332-0012 JAPAN (hereinafter "Assignee"), also acquired ownership in the Invention and Application in the above-mentioned assignment recorded with the United States Patent and Trademark Office on August 22, 2006 on Reel 018222, Frame 0909, and now desires to acquire full ownership interest in the Invention and Application.

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 continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America 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

0352006007

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

Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess title to the Invention and Application above-mentioned, and that they have the unencumbered right and authority to make this Assignment.

Assignors each 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 said Invention, to testify in any interference or legal proceedings involving 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 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 21 day of February 2012.

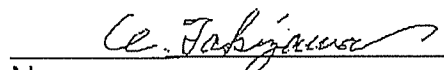
WAKO PURE CHEMICAL INDUSTRIES, LTD.



President, Takao Matsumoto

Witnessed by:

 21 February 2012
Name Date

 21 February 2012
Name Date

0352006007

Atty. Docket No.: 1680/55

Executed this 27 day of Feb. 2012.

FUJI PHOTO FILM CO., LTD.

Kiyotaka Kaneko

General Manager, Kiyotaka Kaneko

Witnessed by:

Takeshi Kuroda
Name27 February 2012
DateNaoko Saito
Name27 February 2012
Date

Executed this 6 day of March 2012.

SHU KOBAYASHI

[Signature]

Witnessed by:

Hidekazu Oyamada
Name6 March 2012
DateYuzichiro Mori
Name6 March 2012
Date
