

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Ping Liu</td> <td>02/22/2012</td> </tr> <tr> <td>Yiliang Wu</td> <td>02/22/2012</td> </tr> <tr> <td>Nan-Xing Hu</td> <td>02/22/2012</td> </tr> <tr> <td>Anthony James Wigglesworth</td> <td>02/22/2012</td> </tr> </tbody> </table>                                                                                        |                                  | Name          | Execution Date    | Ping Liu            | 02/22/2012                       | Yiliang Wu | 02/22/2012 | Nan-Xing Hu    | 02/22/2012  | Anthony James Wigglesworth | 02/22/2012 |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                             | Execution Date                   |               |                   |                     |                                  |            |            |                |             |                            |            |
| Ping Liu                                                                                                                                                                                                                                                                                                                                                                                                                         | 02/22/2012                       |               |                   |                     |                                  |            |            |                |             |                            |            |
| Yiliang Wu                                                                                                                                                                                                                                                                                                                                                                                                                       | 02/22/2012                       |               |                   |                     |                                  |            |            |                |             |                            |            |
| Nan-Xing Hu                                                                                                                                                                                                                                                                                                                                                                                                                      | 02/22/2012                       |               |                   |                     |                                  |            |            |                |             |                            |            |
| Anthony James Wigglesworth                                                                                                                                                                                                                                                                                                                                                                                                       | 02/22/2012                       |               |                   |                     |                                  |            |            |                |             |                            |            |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                                             |                                  |               |                   |                     |                                  |            |            |                |             |                            |            |
| <table border="1"> <tr> <td>Name:</td> <td>Xerox Corporation</td> </tr> <tr> <td>Street Address:</td> <td>45 Glover Avenue / P.O. Box 4505</td> </tr> <tr> <td>City:</td> <td>Norwalk</td> </tr> <tr> <td>State/Country:</td> <td>CONNECTICUT</td> </tr> <tr> <td>Postal Code:</td> <td>06856-4505</td> </tr> </table>                                                                                                           |                                  | Name:         | Xerox Corporation | Street Address:     | 45 Glover Avenue / P.O. Box 4505 | City:      | Norwalk    | State/Country: | CONNECTICUT | Postal Code:               | 06856-4505 |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                            | Xerox Corporation                |               |                   |                     |                                  |            |            |                |             |                            |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                  | 45 Glover Avenue / P.O. Box 4505 |               |                   |                     |                                  |            |            |                |             |                            |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                            | Norwalk                          |               |                   |                     |                                  |            |            |                |             |                            |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                   | CONNECTICUT                      |               |                   |                     |                                  |            |            |                |             |                            |            |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                                                                     | 06856-4505                       |               |                   |                     |                                  |            |            |                |             |                            |            |
| 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>13404128</td> </tr> </tbody> </table>                                                                                                                                                                                                                                                        |                                  | Property Type | Number            | Application Number: | 13404128                         |            |            |                |             |                            |            |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                                                    | Number                           |               |                   |                     |                                  |            |            |                |             |                            |            |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                              | 13404128                         |               |                   |                     |                                  |            |            |                |             |                            |            |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                                                              |                                  |               |                   |                     |                                  |            |            |                |             |                            |            |
| <p>Fax Number: (216)363-9001</p> <p>Phone: 216-363-9000</p> <p>Email: USPTO@FAYSHARPE.COM</p> <p><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: FAY SHARPE / XEROX - ROCHESTER</p> <p>Address Line 1: 1228 EUCLID AVENUE, 5TH FLOOR</p> <p>Address Line 2: THE HALLE BUILDING</p> <p>Address Line 4: CLEVELAND, OHIO 44115</p> |                                  |               |                   |                     |                                  |            |            |                |             |                            |            |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                                                          | 20110804USNP-XER2791US01         |               |                   |                     |                                  |            |            |                |             |                            |            |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                                                                                               | Richard M. Klein                 |               |                   |                     |                                  |            |            |                |             |                            |            |
| <p>Total Attachments: 2</p> <p>source=Assignment#page1.tif</p> <p>source=Assignment#page2.tif</p>                                                                                                                                                                                                                                                                                                                                |                                  |               |                   |                     |                                  |            |            |                |             |                            |            |

CH \$40.00 13404128

**ASSIGNMENT**

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled PROCESSES FOR PRODUCING PALLADIUM NANOPARTICLE INKS (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which Application:

- ☒ is being executed concurrently herewith,  
☐ was first executed on \_\_\_\_\_  
☐ was filed on \_\_\_\_\_ as Application Number \_\_\_\_\_  
☐ claims the benefit of U.S. Provisional Application(s) No(s). \_\_\_\_\_ filed \_\_\_\_\_.

Xerox Corporation, a New York Corporation, on behalf of itself, its successors and assigns, and its legal representatives ("Xerox"), is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).

For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to Xerox the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and

- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to Xerox;
- (2) agree that Xerox may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by Xerox; and
- (4) authorize Xerox to subsequently enter the Application Number on this Assignment, if not already entered above.

Ping Liu  
Ping Liu

Feb. 22 / 2012  
DATE

Yiliang Wu  
Yiliang Wu

Feb 22, 2012  
DATE

Nan-Xing Hu  
Nan-Xing Hu

Feb 22, 2012  
DATE

Anthony James Wigglesworth  
Anthony James Wigglesworth

Feb 22, 2012.  
DATE

## Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

XERZ 202791US01 (481738.1)