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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

PATENTS ONLY

Attorney Docket Number [20041854] 9840-014

113009 U.S. PTO  
11/093352



To the Honorable Commissioner of Patents and Trademarks: Please record the attached original assignment document.

1. Name of all Party(ies) conveying an interest:  
  
Zhen He  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and Address of receiving Party(ies):  
  
Xerox Corporation  
800 Long Ridge Road  
P.O. Box 1600  
Stamford, CT 06904-1600  
  
Additional name(s) and address(es) attached?  Yes  No

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Assignment Execution Date(s):  
March 23, 2005  
  
Title: **TWO-DIMENSIONAL GRAY COMPONENT REPLACEMENT**

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:  
**March 23, 2005**  
  
A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) \_\_\_\_\_  
  
Additional numbers attached?  Yes  No

5. Name and Address of party to whom correspondence concerning document should be mailed:  
  
Marger Johnson & McCollom, P.C.  
1030 SW Morrison Street  
Portland, Oregon 97205  
  
CUSTOMER NUMBER: 50468

6. Total number of applications and patents involved = **1**

7. Total Fee (37 CFR 3.41): **\$40.00**  
 Enclosed  
 Authorized to be charged to Deposit Account

8. Deposit Account Number: **24-0037**

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9. 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.*  
  
Julie L. Reed  
  
Date March 29, 2005  
  
Signature Julie L Reed  
  
Total number of pages comprising cover sheet: 2

Rev 09/2003

04/08/2005 DBYRNE 00000064 240037 11093352

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**ASSIGNMENT**

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **TWO-DIMENSIONAL GRAY COMPONENT REPLACEMENT** (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"),

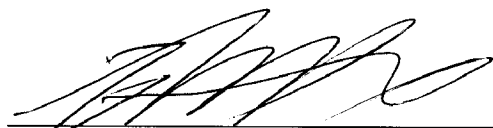
which Application:

- 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.



Zhen He

Date Mar. 23, 2005