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## FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeAttorney Docket Number **See Attached Listing**

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

1. Name of Party(ies) conveying an interest:  
Xerox Corporation

4.21.03

2. Name and Address of receiving Party(ies):

Palo Alto Research Center, Incorporated

3333 Coyote Hill Road  
Palo Alto, California 94304Additional name(s) of conveying party(ies)  
attached? ☐ Yes ☒ NoAdditional name(s) and address(es)  
attached? ☐ Yes ☒ No3. Nature of Conveyance: **ASSIGNMENT**  
Execution Date: April 14, 2003

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:

A. Patent Application No.(s)  
See Attached Listing

B. Patent No.(s)

Additional numbers attached? ☒ Yes ☐ No5. Name and Address of party to whom  
correspondence concerning document  
should be mailed:Patent Documentation Center  
Xerox Corporation  
100 Clinton Avenue South  
Xerox Square 20th Floor  
Rochester, NY 146446. Total number of applications and patents involved = **15**7. Total Fee (37 CFR 3.41): **\$600.00**☐ Enclosed☒ Authorized to be charged to Deposit Account8. Deposit Account Number: **24-0025**

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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.*Name of Person Signing  
Nola Mae McBain

Signature

Date April 14, 2003

Total number of pages comprising cover sheet **1**

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FINANCE SECTION

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01/FC:0021 600.00 CH

| Docket Number | Docket Title  | Inventor   | US Application Number | Docket File Date |
|---------------|---|--|-----------------------|------------------|
| A2042         | SYSTEMS AND METHODS FOR USING MULTIPLE PROCESSORS FOR IMAGING   | MICHAEL F PLASS<br>TIMOTHY S DIEBERT   | 10 248610             | 01/31/2003       |
| A2128         | SYSTEMS AND METHODS FOR CLUSTERING USER SESSIONS USING MULTI-MODAL INFORMATION INCLUDING PROXIMAL CUE INFORMATION | JEFFERY M HEER<br>ED H CHI   | 10 248136             | 12/19/2002       |
| A2157         | ORGANIC FERROELECTRIC MEMORY CELLS  | BAOMIN XU  | 10 185531             | 06/28/2002       |
| A2241         | CAPILLARY-CHANNEL PROBES FOR LIQUID PICKUP, TRANSPORTATION AND DISPENSE USING STRESSY METAL                       | THOMAS HANTSCH<br>DAVID K FORK<br>EUGENE M CHOW<br>DIRK DEBRUYKER<br>MICHEL A ROSA   | 10 213059             | 08/05/2002       |
| A2242         | METHOD FOR THE PRINTING OF HOMOGENEOUS ELECTRONIC MATERIAL WITH A MULTI-EJECTOR PRINT HEAD                        | STEVEN E READY<br>WILLIAM S WONG   | 10 224701             | 08/20/2002       |
| A2247         | IMAGING APPARATUS AND METHOD EMPLOYING A LARGE LINEAR APERTURE  | DOUGLAS N CURRY  | 10 271347             | 10/15/2002       |
| A2298         | SYSTEM AND METHOD FOR PROVIDING SECURE RESOURCE MANAGEMENT  | DIANA K SMETTERS<br>W KEITH EDWARDS<br>DIRK BALFANZ<br>HAO-CHI WONG<br>MARK W NEWMAN<br>JANA Z SEDIVY<br>TREVOR SMITH<br>SHAHRAM IZADI | 10 289528             | 11/06/2002       |
| A2299         | METHOD AND SYSTEM FOR SECURELY SHARING FILES  | DIRK BALFANZ<br>TERESA F LUNT<br>DIANA K SMETTERS<br>KENNETH W CONLEY<br>PAUL J STEWART<br>STEVE B COUSINS<br>BRYAN A PENDLETON        | 10 301931             | 11/21/2002       |
| A2443         | PLANNING AND SCHEDULING RECONFIGURABLE SYSTEMS AROUND OFF-LINE RESOURCES  | MARKUS P J FROMHERZ  | 10 284514             | 10/30/2002       |
| A2444         | PLANNING AND SCHEDULING RECONFIGURABLE SYSTEMS WITH ALTERNATIVE CAPABILITIES                                      | MARKUS P J FROMHERZ  | 10 284561             | 10/30/2002       |
| A2445         | PLANNING AND SCHEDULING RECONFIGURABLE SYSTEMS WITH REGULAR AND DIAGNOSTIC JOBS                                   | MARKUS P J FROMHERZ  | 10 284560             | 10/30/2002       |
| A2544         | METHOD OF FABRICATION OF ELECTRONIC DEVICES USING MICROFLUIDIC CHANNELS   | MICHAEL L CHABINYC<br>WILLIAM S WONG<br>ROBERT A STREET<br>KATERI E PAUL   | 10 303551             | 11/22/2002       |
| A2544Q        | NOVEL ELECTRONIC DEVICE STRUCTURES INCLUDING INTERCONNECTING MICROFLUIDIC CHANNELS                                | MICHAEL L CHABINYC<br>WILLIAM S WONG<br>KATERI E PAUL<br>ROBERT A STREET   | 10 303524             | 11/22/2002       |
| A2545         | PIEZOELECTRIC TRANSDUCERS UTILIZING SUB-DIAPHRAGMS  | STEVEN A BUHLER<br>JOHN S FITCH<br>MENG H LEAN<br>KARL A LITTAU  | 10 319138             | 12/13/2002       |
| A2557         | SYSTEM AND METHOD FOR ASSESSING COMPONENT CAPABILITIES  | W KEITH EDWARDS<br>MARK W NEWMAN<br>JANA Z SEDIVY<br>TREVOR SMITH<br>SHAHRAM IZADI   | 10 324625             | 12/18/2002       |

## ASSIGNMENT

Effective April 11, 2003, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Xerox Corporation, a New York corporation ("Xerox"), on behalf of itself, its successors and assigns, and its legal representatives, hereby assigns, transfers and conveys to Palo Alto Research Center Incorporated ("PARC"), a Delaware Corporation, on behalf of itself, its successors and assigns, and its legal representatives, the entire right, title and interest of Xerox in and to (i) the U.S. patent applications of Xerox that are identified in the attachment hereto (which hereby is made a part hereof) and (ii) the inventions or discoveries claimed in such applications, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights therein under all present or future conventions and treaties; and

- (1) Xerox requests the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC;
- (2) Xerox agrees that PARC may apply for and receive all foreign Letters Patent thereon;
- (3) Xerox agrees to execute all papers and take all actions, at PARC's request and sole expense, reasonably necessary or desirable for perfecting PARC's title in and to the intellectual property conveyed hereby; and
- (4) Xerox authorizes PARC to subsequently enter or record this and any other Assignments that may be reasonably necessary or desirable for perfecting PARC's title in and to the intellectual property conveyed hereby.

### XEROX CORPORATION

By: Richard B. Domingo

Name: Richard B. Domingo

Title: Associate General Patent Counsel

### PALO ALTO RESEARCH CENTER INCORPORATED.

By: M. Bernstein

Name: Mark Bernstein

Title: Chief Executive Officer