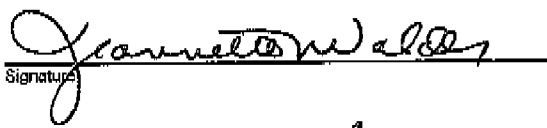
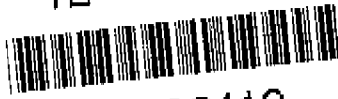


RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
PATENTS ONLY		Attorney Docket Number 20040458-US-CIP Document ID No.: 103136419
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original assignment document.		
1. Name of conveying party(ies)/Execution Date(s): 1. Ramesh Nagarajan 2. Zhigang Fan 3. Shivang Patel Assignment Execution Date(s): 1. 11/28/2005 2. 11/28/2005 3. 11/25/2005 Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and Address of receiving Party(ies): Xerox Corporation 800 Long Ridge Road P.O. Box 1800 Stamford, CT 06904-1600 Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____	Title: METHOD FOR AUTOMATED IMAGE INDEXING AND RETRIEVAL	
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) 11/295,405	B. Patent No.(s)	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. 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 14644 CUSTOMER NUMBER: 25453	6. Total number of applications and patents involved = 1 7. Total Fee (37 CFR 3.41): \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account	
8. Deposit Account Number: 24-0025		
DO NOT USE THIS SPACE		
9. Statement and signature. <i>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.</i>		
Name of Person Signing Jeannette M. Walder Date April 21, 2006	 Signature	
		Total number of pages comprising cover sheet 1

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103136419
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M COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket Number: 20040458-US-NP

12-505

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

1. Name of conveying party(ies)/Execution Date(s):

- 1. Ramesh Nagarajan
- 2. Zhigang Fan
- 3. Shivang Patel

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

Xerox Corporation
800 Long Ridge Road
P.O. Box 1600
Stamford, CT 06904-1600

Assignment Execution Date(s):

- 1. 11/28/2005, 2. 11/28/2005, 3. 11/25/2005

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

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

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Title:

METHOD FOR AUTOMATED IMAGE INDEXING AND RETRIEVAL

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)

B. Patent No.(s)

Additional numbers attached? Yes No

5. 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 14644
CUSTOMER NUMBER: 25453

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: 24-0025

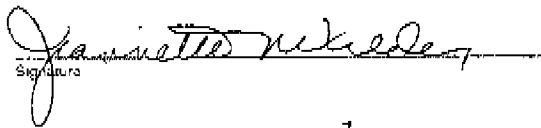
DO NOT USE THIS SPACE

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

Jeannette M. Walder



Signature

Date December 5, 2005

Total number of pages comprising cover sheet 1

Rev 09/2003

113243 U.S. PTO
11/295405



12/13/2005 DBYRNE 00000019 240025 11295405
01 FC:8021 40.00 DA

ASSIGNMENT

Attorney Docket No.: 20040458-US-NP

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **METHOD FOR AUTOMATED IMAGE INDEXING AND RETRIEVAL** (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.

R. Nagarajan
Ramesh Nagarajan

11/20/05
DATE

Zhigang Fan

DATE

Shivang Patel

DATE

ASSIGNMENT

Attorney Docket No.: 20040458-US-ND

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **METHOD FOR AUTOMATED IMAGE INDEXING AND RETRIEVAL** (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.

Ramesh Nagarajan

DATE

Zhigang Fan

DATE

11/28/05

Shivang Patel

DATE

ASSIGNMENT

Attorney Docket No.: 20040458-09-WP

The undersigned is/are the named inventor(s) (the "inventor(s)") on a United States patent application entitled **METHOD FOR AUTOMATED IMAGE INDEXING AND RETRIEVAL** (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

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- (2) agree that Xerox may apply for and receive all foreign Letters Patent thereon;
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- (4) authorize Xerox to subsequently enter the Application Number on this Assignment, if not already entered above.

Ramesh Nagarajan

DATE

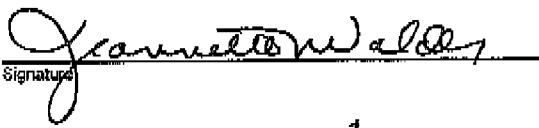
Brijang Fan

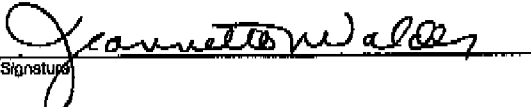
DATE

Lixiang Patel


DATE

[Handwritten signature]

RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
PATENTS ONLY		Attorney Docket Number 20040458-US-CIP Document ID No.: 103136419
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original assignment document.		
1. Name of conveying party(ies)/Execution Date(s): 1. Ramesh Nagarajan 2. Zhigang Fan 3. Shivang Patel Assignment Execution Date(s): 1. 11/28/2005 2. 11/28/2005 3. 11/25/2005 Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____	Title: METHOD FOR AUTOMATED IMAGE INDEXING AND RETRIEVAL	
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: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> A. Patent Application No.(s) 11/295,405 </div> <div style="width: 45%;"> B. Patent No.(s) </div> </div> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. 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 14644 CUSTOMER NUMBER: 25453	6. Total number of applications and patents involved = 1 7. Total Fee (37 CFR 3.41): \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account 8. Deposit Account Number: 24-0025	
DO NOT USE THIS SPACE		
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Name of Person Signing Jeannette M. Walder Date April 21, 2006 </div> <div style="width: 45%; text-align: center;">  Signature Total number of pages comprising cover sheet 1 </div> </div>		

RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
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Rev 09/2003

RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
PATENTS ONLY		Attorney Docket Number 20040458-US-NP
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original assignment document.		
1. Name of conveying party(ies)/Execution Date(s): 1. Ramesh Nagarajan 2. Zhigang Fan 3. Shivang Patel Assignment Execution Date(s): 1. 11/28/2005, 2. 11/28/2005, 3. 11/25/2005 Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> Name of Person Signing Jeannette M. Walder Date December 5, 2005 </div> <div style="width: 50%; text-align: center;">  Signature Total number of pages comprising cover sheet 1 </div> </div>		

113243 U.S. PTO
11/295405



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