

<div style="display: flex; justify-content: space-between;"> <span>6-8-98</span> <span>06-19-1998</span> </div> <div style="display: flex; justify-content: center; align-items: center;"> <div style="margin-left: 20px;"> <p>100743079</p> </div> </div>		<div style="border: 1px solid black; padding: 5px;"> <p><b>RECEIVED</b></p> <p>DEPARTMENT OF COMMERCE Patent and Trademark Office</p> <p>JUN 8 1998</p> </div>
<p>To the Honorable Commis:</p>		<p>attached original documents or copy thereof.</p>
<p>1. Name of conveying party(ies): James E. Pitkow, Peter L.T. Pirolli, Ed H. Chi, Stuart K. Card, Jock D. Mackinlay, Rich Gossweiler</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Xerox Corporation</u></p> <p>Address: <u>800 Long Ridge Road</u> <u>Stamford, Connecticut</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>5/14/98, 5/15/98, 5/18/98, 5/21/98, 5/22/98</u></p>	<p>4. Application number(s) or patent number(s):</p> <p>A. Patent Application No.: 09/062,513</p> <p>Title: METHODS FOR VISUALIZING TRANSFORMATIONS AMONG RELATED SERIES OF GRAPHS</p> <p>Filed Date: <u>April 17, 1998</u></p> <p style="text-align: center;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If this document is being filed together with a new application, the execution date of the application is: _____</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Martin C. Fliesler, Esq.</u></p> <p>Address: <u>Fliesler, Dubb, Meyer &amp; Lovejoy</u> <u>Four Embarcadero Center, Suite 400</u> <u>San Francisco, CA 94111</u></p> <p>Telephone: <u>(415) 362-3800</u></p>	<p>6. Total Number of applications and patents involved: <u>1</u> X \$40.00 each</p> <p>7. Total fee (37 CFR 3.41) .....\$ <u>40.00</u> <u>CB</u></p> <p><input checked="" type="checkbox"/> Check Enclosed</p> <p>8. Fee Authorization. Authorization is given to charge any additional fees or credit any overpayment to Deposit Account No. 06-1325.</p> <p>Copy. (A duplicate copy of this authorization is <u>not</u> enclosed.)</p>	
<p>9. Statement and signature.</p> <p><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></p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 30%;"> <p><u>Slade E. Smith</u></p> <p>Attorney (Reg. No.: <u>37,447</u>)</p> </div> <div style="width: 30%; text-align: center;"> <p>Signature</p> </div> <div style="width: 30%; text-align: center;"> <p><u>June 5, 1998</u></p> <p>Date</p> </div> </div>		
<p>10. Total number of pages to be recorded: <u>11</u> (1 page cover sheet and <u>10</u> page document).</p>		

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

(1) James E. Pitkow,  
a resident of 742 Ellsworth Place, Palo Alto, California 94306; and

(2) Peter L.T. Pirolli,  
a resident of 2958 Sloat Blvd., San Francisco, California 94116; and

(3) Ed. H. Chi,  
a resident of 5241 Shoreview Avenue South, Minneapolis, Minnesota 55417; and

(4) Stuart K. Card,  
a resident of 13023 La Cresta Drive, Los Altos Hills, California 94022.

(5) Jock D. Mackinlay,  
a resident of 3240 Ross Road, Palo Alto, California 94303; and

(6) Rich Gossweller,  
a resident of 991-3 Belmont Terrace, Sunnyvale, California 94086; and

have invented certain new and useful improvements in:

METHODS FOR VISUALIZING TRANSFORMATIONS AMONG  
RELATED SERIES OF GRAPHS

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

1.      On the Date of Execution of Declaration for Patent Application set forth below adjacent to my signature;

Or

2.   x   Said application having SC/Serial Number 09/062,513 and filed on the 17th day of April, 1998.

WHEREAS Xerox Corporation (hereinafter termed "Assignee"), a corporation of the State of New York, having a place of business at 800 Long Ridge Road, Stamford, Connecticut, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

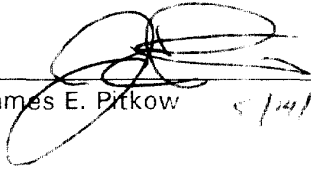
1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee on the date of acknowledgement before the Notary Public as given below.

(1)   
James E. Pitkow 5/14/98

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

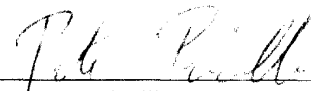
On \_\_\_\_\_ before me, \_\_\_\_\_  
(name and title of officer)

personally appeared \_\_\_\_\_, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

\*\*\*\*\*

(2)   
Peter L.T. Pirolli 5/14/98

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_  
(name and title of officer)

personally appeared \_\_\_\_\_, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

\*\*\*\*\*

(3) \_\_\_\_\_  
Ed H. Chi

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_,  
(name and title of officer)

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WITNESS my hand and official seal.

Signature \_\_\_\_\_

\*\*\*\*\*

(4) \_\_\_\_\_  
Stuart K. Card

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_,  
(name and title of officer)

personally appeared \_\_\_\_\_, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\*\*\*\*\*

(5) [Signature] 5/15/98  
Jock D. Mackinlay

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_  
(name and title of officer)  
personally appeared \_\_\_\_\_, personally known to me (or proved to me on the basis of  
satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and  
acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by  
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted,  
executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\*\*\*\*\*

(6) [Signature] 5/21/98  
Rich Gossweller

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_  
(name and title of officer)  
personally appeared \_\_\_\_\_, personally known to me (or proved to me on the basis of  
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WITNESS my hand and official seal.

Signature \_\_\_\_\_

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(3) Ed. H. Chi,  
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**METHODS FOR VISUALIZING TRANSFORMATIONS AMONG  
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1.      On the Date of Execution of Declaration for Patent Application set forth below adjacent to my signature;

Or

2.   x   Said application having SC/Serial Number 09/062,513 and filed on the 17th day of April, 1998.

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NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

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IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee on the date of acknowledgement before the Notary Public as given below.

(1) \_\_\_\_\_  
James E. Pitkow

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_,  
(name and title of officer)  
personally appeared \_\_\_\_\_, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\*\*\*\*\*

(2) \_\_\_\_\_  
Peter L.T. Pirolli

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_,  
(name and title of officer)  
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WITNESS my hand and official seal.

Signature \_\_\_\_\_

\*\*\*\*\*

(3) Ed H. Chi 5-18-1998  
Ed H. Chi

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_,  
(name and title of officer)

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Signature \_\_\_\_\_

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(4) \_\_\_\_\_  
Stuart K. Card

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

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Signature \_\_\_\_\_

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(5) \_\_\_\_\_  
Jock D. Mackinlay

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

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WITNESS my hand and official seal.

Signature \_\_\_\_\_

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(6) \_\_\_\_\_  
Rich Gossweller

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

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(name and title of officer)

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Signature \_\_\_\_\_

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