PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		Confirmatory Assignment		
CONVEYING PARTY DATA		n		
Name			Execution Date	
Edward A Richley			12/17/2010	
Mark D Weiser (Deceased) by his legal representative Victoria Ann Reich			01/05/2011	
Alexander E Silverman			12/16/2010	
Matthew E Howard			01/03/2011	
Bryan T Preas			12/16/2010	
RECEIVING PARTY DATA				
Name: Xerox Co	ne: Xerox Corporation			
Street Address: 45 Glove	45 Glover Avenue			
Internal Address: P.O. Box	P.O. Box 4505			
City: Norwalk	Norwalk			
State/Country: CONNEC				
Postal Code: 06856-45	06856-4505			
PROPERTY NUMBERS Total: 2				
Property Type		Number		
Application Number: 09337		/659		
Patent Number: 618478		789		
CORRESPONDENCE DATA				
Correspondence will be sent viaPhone:585	-423-4650	<i>hen the fax attempt is unsuccessful.</i> t@xerox.com		
Correspondent Name: Patent Documentation Center/Xerox Corp.				
Address Line 1:100 Clinton Avenue SouthAddress Line 4:Rochester, NEW YORK 14644				
ATTORNEY DOCKET NUMBER:		99029-US-NP		

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REEL: 025604 FRAME: 0092

NAME OF SUBMITTER:

Total Attachments: 9	
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The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **METHOD AND APPARATUS FOR VISUALLY DETERMINING OBJECT LOCATION** (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 06/22/1999 as Application Number 09/337,659, and is now U.S. Patent 6,184,789.

claims the benefit of U.S. Provisional Application(s) No(s).

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).

The Inventor(s) hereby confirm(s) that they have sold, assigned, and transferred 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 in a previous document executed in September of 1999 and recorded in the United States Patent Office on September 21,1999 at Reel/Frame number 010273/0425; 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.

Edward A. Richley	DATE
<u>Dicteria Ann Puch</u> Mark D. Weiser	DATE 5,2011
Alexander E. Silverman	DATE
Matthew E. Howard	DATE
Bryan T. Preas	DATE

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Edward A. Richley	DATE
Mark D. Weiser	DATE
Alexander E. Silverman	 DATE
Matthew E. Howard	DATE
Bryan T. Preas	DATE

Xerox Rev. 03/2008 PATENT REEL: 025604 FRAME: 0095

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Mark D. Weiser	DATE
Alexander E. Silverman	DATE
Matthew E. Howard	DATE
Bryan T. Preas	16 Oer 2010 DATE

PATENT^{Rev. 03/2008} REEL: 025604 FRAME: 0096

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Edward A. Richley

Mark D. Weiser

DATE

DATE

Alexander E. Silverman

DATE

Matthew E. Howard

DATE

Bryan T. Preas

DATE

Xerox Rev. 03/2008

12/17/10

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Xerox Rev. 03/2008 PATENT REEL: 025604 FRAME: 0098



NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE J.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

REEL/FRAME: 010273/0425 RECORDATION DATE: 09/21/1999 NUMBER OF PAGES: 2 BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS). ASSIGNOR: DOC DATE: 09/13/1999 RICHLEY, EDWARD A. ASSIGNOR: WIESER, MARK D. (DECEASED) BY HIS DOC DATE: 09/15/1999 LEGAL REPRESENTATIVE VICTORIA ANN REICH ASSIGNOR: SILVERMAN, ALEXANDRIA E. DOC DATE: 09/15/1999

ASSIGNOR: HOWARD, MATTHEW E.

ASSIGNOR:

PREAS, BRIAN T.

ASSIGNEE: XEROX CORPORATION 800 LONG RIDGE ROAD STAMFORD, CONNECTICUT 06904-1600

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DOC DATE: 09/16/1999

DOC DATE: 09/14/1999

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> PATENT REEL: 025604 FRAME: 0099

010273/0425 PAGE 2

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SERIAL NUMBER: 09337659 PATENT NUMBER

MAURICE CARTER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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FILING DATE: 06/22/1999 ISSUE DATE:

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Assistant Commissioner for Patents Box Assignments Washington, D.C. 2023 SEP 2 1 1999	10-01-1999 FORM COVER: ENTS ONLY 101159584 Attorney Docket No. 102709
<u>4-21-99 (2</u>	
	Please record the attached original documents or copy thereof.
1. A. Name of conveying party(ies):	2. A. Name and address of receiving party(ies):
 Edward A. RICHLEY Mark D. WIESER (Deceased) by his legal representative Victoria Ann Reich Alexander E. SILVERMAN Matthew E. HOWARD Brian T. PREAS B. Additional name(s) of conveying party(ies) 	XEROX CORPORATION 800 Long Ridge Road P.O. Box 1600 Stamford, Connecticut 06904-1600
attached? 📋 Yes 🛛 No	
2 A Natura de conversione	B. Additional name(s) & address(es) attached?
3. A. Nature of conveyance: ⊠ Assignment □ Merger	□ Yes ⊠ No
Change of Name Other	
B. Execution Date: 1. September 13, 1999 2. September 15, 1999 3. September 15, 1999 4. September 16, 1999 5. September 14, 1999	
 A. If this document is being filed together with a n B. Patent Application No.(s) <u>09/337,659</u> 	new application, the execution date of the application is: C. Patent No.(s)
D. Additional num	hers attached? 🔲 Yes 🛛 No
 Name and address of party to whom correspondence concerning document should be mailed: 	 Total number of applications and patents involved: <u>1</u>.
James A. Oliff	7. Total fee (37 CFR 3.41)540
OLIFF & BERRIDGE, PLC	Charge to Deposit Account No. 24-0037
P.O. Box 19928 Alexandria, VA 22320	A duplicate copy of this page is attached.
	 Credit any overpayment or charge any underpayment to deposit account number 24-0037.
 9. Statement and storagtere. To the best of my includedge and belief, the foregoing infor- original document James A. Oliff Registration No. 27,075 Robert E. Hunt Registration No. 39,231 999 NTHALL 00000185 240037 09337659 	rmation is true and correct and any attached copy is a true copy of the Date: September 21, 1999 Total number of pages: 2

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odelikisty z jezny

For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned,

Edward A. RICHLEY, Mark D. WEISER (Deceased) by his legal representative Victoria Ann Reich, Alexander E. SILVERMAN, Matthew E. HOWARD and Brian T. PREAS

who have created a certain invention for which an application for United States Letters Patent has been executed concurrently herewith and is entitled

METHOD AND APPARATUS FOR VISUALLY DETERMINING OBJECT LOCATION

Do hereby sell, assign and transfer to XEROX CORPORATION, a corporation of the State of New York having a place of business at Stamford, in the County of Fairfield, and State of Connecticut, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and the States of the European Patent Convention, including but not limited to Austria, Belgium, Denmark, France, Germany, Greece, Ireland, Italy, Luxembourg, Monaco, the Netherlands, Portugal, Spain, Sweden, and the United Kingdom, and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent Convention, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties;

Agree that XEROX CORPORATION hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and the States of the European Patent Convention; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

Decond Rully Date:9/13/49	Date:
Brynnes 9/1+999 Date:	Date:
alexander E. Silverman Date: 9/15/99	Date:
Wichung Ann Perch. Date: 7/15/99	Date:
Mult 1 Date: 9/16/44	Return Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandría, VA 22320

Rev 12:8-89 (SOLE/JOINT/CONCURRENT)

RECORDED: 01/10/2011