

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kyle S. Leboutiz	02/18/2008
David L. Springer	02/18/2008
RECEIVING PARTY DATA	
Name:	Xactix, Inc.
Street Address:	2403 Sidney Street, Suite 300
City:	Pittsburgh
State/Country:	PENNSYLVANIA
Postal Code:	15203
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12632029
CORRESPONDENCE DATA	
Fax Number:	(412)945-5933
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	412.471.8815
Email:	assignments@webblaw.com
Correspondent Name:	The Webb Law Firm
Address Line 1:	700 Koppers Building, 436 Seventh Avenue
Address Line 4:	Pittsburgh, PENNSYLVANIA 15219
ATTORNEY DOCKET NUMBER:	4853-092858
NAME OF SUBMITTER:	Randall A. Notzen, Reg. No. 36,882

OP \$40.00 12632029

Total Attachments: 4
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**PATENT
 REEL: 023622 FRAME: 0432**

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies) Kyle S. Leboutiz David L. Springer 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) Name: <u>Xactix, Inc.</u> Internal Address: _____ _____ Street Address: <u>2403 Sidney Street, Suite 300</u> _____ City: <u>Pittsburgh</u> State: <u>PA</u> Country: <u>US</u> Zip: <u>15203</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>February 18, 2008, February 18, 2008</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>12/632,029</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: _____ Internal Address: <u>The Webb Law Firm</u> _____ Street Address: <u>436 Seventh Avenue</u> <u>700 Koppers Building</u> City: <u>Pittsburgh</u> State: <u>PA</u> Zip: <u>15219</u> Phone Number: <u>412-471-8815</u> Fax Number: <u>412-945-5933</u> Email Address: <u>assignments@webblaw.com</u>	6. Total number of applications and patents involved: _____ 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 <input checked="" type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers <u>4775</u> Expiration Date <u>05/2012</u> b. Deposit Account Number <u>23-0650</u> Authorized User Name _____
9. Signature: <u><i>Randall A. Notzen</i></u> <u>December 8, 2009</u> Signature Date <u>Randall A. Notzen, Reg. No. 36,882</u> Total number of pages including cover sheet, attachments, and documents: <input type="text" value="4"/> Name of Person Signing	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Application No. _____

Attorney Docket No. 4853-080606**ASSIGNMENT**

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

“PULSED ETCHING COOLING”

(Invention Title)

for which a United States Provisional Patent application was filed on _____ (mm/dd/yyyy) and bears Application Number _____ (hereinafter “said application”).

AND/OR

for which I have this day executed an application for a United States Patent (hereinafter “said application”).

AND/OR

for which an application for a United States Patent was filed on _____ (mm/dd/yyyy) and bears Application Number _____ (hereinafter “said application”).

AND/OR

for which an international patent application was filed under the Patent Cooperation Treaty on _____ (mm/dd/yyyy), bearing Application No. _____ (hereinafter “said application”).

AND, WHEREAS, Xactix, Inc., a corporation of Commonwealth of Pennsylvania, having a place of business at 2403 Sidney Street, Suite 300, Pittsburgh, Pennsylvania 15203, hereinafter called the “assignee”, is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me,

Application No. _____

Attorney Docket No. 4853-080606

testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:

RESIDENCE:

Kyle S. Leboutiz

Pittsburgh, Pennsylvania

EXECUTED this 19th day of FEBRUARY, 2008


SIGNATURE

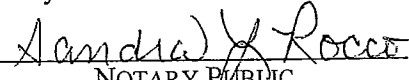
STATE of Pennsylvania

COUNTY of Allegheny

On this 19th day of February, in the year 2008, before me Sandra L. Rocco
DAY MONTH YEAR NOTARY PUBLIC NAME

a notary public, personally appeared Kyle S. Leboutiz,
NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seal.


NOTARY PUBLIC

Notarial Seal
Sandra L. Rocco, Notary Public
City Of Pittsburgh, Allegheny County
My Commission Expires June 12, 2011

Member, Pennsylvania Association Of Notaries

Checked Box indicates 1 additional page(s) for inventor signatures.

DOMESTIC

Application No. _____

Attorney Docket No. 4853-080606

2. FULL NAME OF ASSIGNOR:
David L. Springer

RESIDENCE:
Pittsburgh, Pennsylvania

EXECUTED this 19th day of February, 2008

[Signature]
SIGNATURE

STATE of Pennsylvania
COUNTY of Allegheny

On this 19th day of February, in the year 2008, before me Sandra L. Rocco
DAY MONTH YEAR NOTARY PUBLIC NAME

a notary public, personally appeared David L. Springer,
NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seal.

[Signature]
NOTARY PUBLIC

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A
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