

05-29-2001

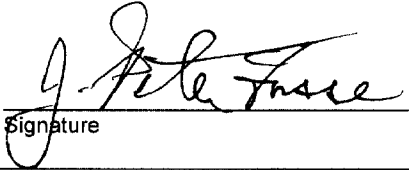
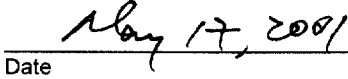


Substitute Form PTO-1595
Attorney Docket No.: 12716-004001
Client's Ref. No.: (UMA 00-29, -06, -07, 01-17)

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PATENTS ONLY

HEET

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): James J. Watkins, Jason M. Blackburn, David P. Long, Jason L. Lazorcik Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): UNIVERSITY OF MASSACHUSETTS One Beacon Street, 26th Floor Boston, MA 02108 Additional names/addresses 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: Execution Date: Watkins: May 7, 2001; Blackburn: May 4, 2001; Long: May 4, 2001; Lazorcik: April 25, 2001	5-21-01 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s).: 09/704,935 B. Patent No(s).: Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: J. PETER FASSE Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
7/2001 BIVRNE 00000109 09704935 3:581 40.00 DP DO NOT USE THIS SPACE 400	
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> J. Peter Fasse Reg. No. 32,983 Name of Person Signing	
 Signature	
 Date	
Total number of pages including coversheet, attachments and document: 5	

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

5/17/01
Date of Deposit


Signature

Sandra Richards
Typed Name of Person Signing Certificate

PATENT
REEL: 011827 FRAME: 0691

ASSIGNMENT

For valuable consideration, we, JAMES J. WATKINS of South Hadley, MA, JASON M. BLACKBURN of Amherst, MA, DAVID P. LONG of Alexandria, VA, and JASON L. LAZORCIK of Northampton, MA, hereby assign to: University of Massachusetts, a Massachusetts corporation having a place of business at: One Beacon Street, 26th Floor, Boston, MA 02108 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled CHEMICAL FLUID DEPOSITION FOR THE FORMATION OF METAL AND METAL ALLOY FILMS ON PATTERNED AND UNPATTERNED SUBSTRATES, filed November 2, 2000, and assigned U.S. Serial Number 09/704,935, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Amherst,
this 7th day of May, 20 01

JAMES J. WATKINS L.S.

State of MA :
: ss.

County of Hampshire :

Before me this 7th day of May, 20 01, personally
appeared JAMES J. WATKINS known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

[Signature]
Notary Public
My Commission Expires: 12/30/05

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Amherst,
this 4th day of May, 20 01

JASON M. BLACKBURN L.S.

State of MA :
: ss.

County of Hampshire :

Before me this 4th day of May, 20 01, personally
appeared JASON M. BLACKBURN known to me to be the person whose name is subscribed to
the foregoing Assignment and acknowledged that he executed the same as his free act and deed
for the purposes therein contained.

[Signature]
Notary Public
My Commission Expires: 12/30/05

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Alexandria, VA,
this 4 day of May, 2001
David P. Long L.S.
DAVID P. LONG

State of VA :
: ss.

County of FAYETTE :

Before me this 4TH day of May, 2001, personally
appeared DAVID P. LONG known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

[Signature]
Notary Public P. Davis
My Commission Expires: 7-31-2002

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Amherst, MA,
this 25th day of April, 2001
[Signature] L.S.
JASON L. LAZORCIK

State of MA :
: ss.

County of Hampshire :

Before me this 25th day of April, 2001, personally
appeared JASON L. LAZORCIK known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

[Signature]
Notary Public Edward Bradley Moynahan
My Commission Expires:
July 1, 2005

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day of _____, 20_____

L.S.

DAVID P. LONG

State of _____ :

: ss.

County of _____ :

Before me this _____ day of _____, 20_____, personally
appeared DAVID P. LONG known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Amburst, MA,
this 25th day of April, 2001

L.S.

Jason Lazorcik
JASON L. LAZORCIK

State of MA _____ :

: ss.

County of Hampshire _____ :

Before me this 25th day of April, 2001, personally
appeared JASON L. LAZORCIK known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Edward Bradley Moynahan

Notary Public Edward Bradley Moynahan

My Commission Expires:

July 1, 2005

[Notary's Seal Here]