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Substitute Form PTO-1595

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Certificate of Mailing: Date of Deposit March 19, 1999

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 above and is addressed to BOX ASSIGNMENT, Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Julie A. Bowen
Printed Name

Julie A. Bowen
Signature

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

Commissioner of Patents & Trademarks: Please record the attached document.

<p>1. Names of all conveying parties:</p> <p>Lynne M. Svædberg Kenneth C. Arndt Michael J. Cima</p> <p>Additional names attached: NO</p>	<p>2. Names and addresses of all receiving parties:</p> <p>Massachusetts Institute of Technology 77 Massachusetts Avenue Cambridge, MA 02142</p> <p>Additional names/addresses attached: NO</p>
<p>3. Nature of conveyance:</p> <p>Assignment</p> <p>Execution Date: 12/14/98; 12/17/98, 12/14/98</p>	
<p>4. Application numbers or patent numbers:</p> <p>A. Patent Application Numbers: 09/165,366</p>	<p>B. Patent Numbers:</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Mary Rose Scozzafava, Ph.D. Reg. No. 36,268 Clark & Elbing LLP 176 Federal Street Boston, MA 02110</p>	<p>6. Total number of applications/patents involved:</p> <p>7. Total fee (37 CFR 3.41): \$40 Fee enclosed</p> <p>8. Deposit account number: 03-2095. If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to Deposit Account No. 03-2095.</p>

03/31/1999 JSHABAZZ 00000171 09165366

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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*

Mary Rose Scozzafava
Name of person signing

Mary Rose Scozzafava
Signature

March 19, 1999
Date

ASSIGNMENT

WHEREAS, We, **Lynne M. Svedberg** of Cambridge, Massachusetts; **Kenneth C. Arndt** of Fishkill, New York; **Michael J. Cima** of Winchester, Massachusetts; having invented a certain improvement in a **SELECTIVE SUBSTRATE METALLIZATION** for which We have made application for a United States Patent, having a Serial Number 09/165,366, the said application filed on October 2, 1998;

WHEREAS, Massachusetts Institute of Technology a non-profit educational institution having offices at 77 Massachusetts Avenue, Cambridge, MA 02142 and its successors and assigns (collectively hereinafter called "the Assignee"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledge, I do hereby sell assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention and in and to said Applications and all patents which may granted therefore, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of my entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said Applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or to its successors, assigns and legal representative, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I hereto set my hand and seal at MIT
this 14 day of December, 1998.

Lynne M. Svedberg
Lynne M. Svedberg

STATE OF Massachusetts.
COUNTY OF Middlesex SS.

Before me this 14 day of December, 1998, personally appeared **Lynne M. Svedberg** known to me to be the person whose name of subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

.....Frances M. Page.....
NOTARY PUBLIC FRANCES M. PAGE

[Notary's Seal Here]

My Commission Expires: 1/22/2004

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day of _____, 1998.

Kenneth C. Arndt

STATE OF _____.
COUNTY OF _____ SS.

Before me this _____ day of _____, 1998, personally appeared **Kenneth C. Arndt** known to me to be the person whose name of 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

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 1998.

Lynne M. Svedberg

STATE OF _____.
SS.

COUNTY OF _____.

Before me this _____ day of _____, 1998, personally appeared
Lynne M. Svedberg known to me to be the person whose name of 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

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at East Fishkill,
NY this 17 day of December, 1998.

←
Kenneth C. Arndt

STATE OF New York.
SS.
COUNTY OF Dutchess.

Before me this 17th day of December, 1998, personally appeared
Kenneth C. Arndt known to me to be the person whose name of 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

[Notary's Seal Here]

My Commission Expires:

HILDA NESHEIWAT
Notary Public, State of New York
No. 01NE5013143
Qualified in Dutchess County
Term Expires: 07/15/99

PATENT
REEL: 9850 FRAME: 0638

IN WITNESS WHEREOF, I hereto set my hand and seal at MIT,
this 14 day of December, 1998.

Michael J. Cima
Michael J. Cima

STATE OF Massachusetts.

SS.

COUNTY OF Middlesex.

Before me this 14th day of December, 1998, personally appeared
Michael J. Cima known to me to be the person whose name of subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and
deed for the purposes therein contained.

Frances M. Page
NOTARY PUBLIC FRANCES M. PAGE

[Notary's Seal Here]

My Commission Expires: 1/22/2004

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