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100837993

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
 (1) Duane S. Boning  
 (2) Francis X. Pink **9-15-98**  
 Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
 Name: Massachusetts Insititute of Technology  
 Internal Address: \_\_\_\_\_  
 Street Address: 77 Massachusetts Avenue  
 City: Cambridge State: MA ZIP: 02139  
 Additional name(s) & address(es) attached?  Yes  No

Jc:523 U.S. PTO  
 09/15/98  
 09/15/98

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
 Execution Date: (1) 9/11/98 (2) 9/1/98

4. Application number(s) or patent number(s): **09,153420**  
 If this document is being filed together with a new application, the execution date of the application is: September 15, 1998  
 A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) \_\_\_\_\_  
 Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Mary Rose Scozzafava  
 Internal Address: Choate, Hall & Stewart  
Exchange Place  
 Street Address: 53 State Street  
 City: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved: **1**  
 7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
 8. Deposit account number:  
03-1721  
 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.  
*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.*  
Mary Rose Scozzafava *Mary Rose Scozzafava*  
 Name of Person Signing Signature  
9/5/98  
 Date  
 Total number of pages including cover sheet, attachments, and document: **5**

09/24/98  
 01 FCS/SA  
 09/15/98

## ASSIGNMENT

**WHEREAS**, We, **Duane S. Boning** of Cambridge, Massachusetts; and **Francis Pink** of Norwood, Massachusetts; having invented certain new and useful improvements in **REMOVAL OF CONTAMINANT METALS FROM WASTE WATER** for which We have made application for United States Letters Patent,

**WHEREAS**, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, a non-profit educational institution having offices at 77 Massachusetts Avenue, Cambridge, Massachusetts, 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 Applications 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 \_\_\_\_\_,  
this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

**Duane S. Boning**

STATE OF \_\_\_\_\_  
SS.

COUNTY OF \_\_\_\_\_

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared **Duane S. Boning** 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 Boston, MA  
this 1 day of September, 19 98.

Francis X. Pink  
**Francis Pink**

STATE OF Massachusetts  
SS.

COUNTY OF Suffolk

Before me this 15<sup>th</sup> day of September, 19 98, personally appeared **Francis Pink** known to me to be the person whose name of subscribed to the foregoing Assignment and acknowledged that she executed the same as her free act and deed for the purposes therein contained.

.....  
Suzanne J. Gustafson  
NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: 05/19/00

## ASSIGNMENT

**WHEREAS**, We, **Duane S. Boning** of Cambridge, Massachusetts; and **Francis Pink** of Norwood, Massachusetts; having invented certain new and useful improvements in **REMOVAL OF CONTAMINANT METALS FROM WASTE WATER** for which We have made application for United States Letters Patent,

**WHEREAS**, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, a non-profit educational institution having offices at 77 Massachusetts Avenue, Cambridge, Massachusetts, 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 Applications 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 Cambridge,  
this 11<sup>th</sup> day of September, 1998.

Duane S. Boning  
Duane S. Boning

STATE OF Massachusetts.  
COUNTY OF Middlesex SS.

Before me this 11<sup>th</sup> day of September, 1998, personally appeared **Duane S. Boning** 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.

Carol Phillips  
NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

**CAROL PHILLIPS**  
Notary Public  
My Commission Expires April 23, 2004

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_,  
this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_  
Francis Pink

STATE OF \_\_\_\_\_.  
COUNTY OF \_\_\_\_\_ SS.

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared **Francis Pink** known to me to be the person whose name of subscribed to the foregoing Assignment and acknowledged that she executed the same as her free act and deed for the purposes therein contained.

.....  
NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: