

10-03-2003

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp.5/31/2002)  
P08/REV03

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Gregory H. Loibl  
George Sidebotham

Additional names(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies):

Name: The Cooper Union For the Advancement of Science

Internal Address: and Art

Street Address: 30 Cooper Square

City: New York State: NY ZIP: 10003

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: September 4, 2003 & September 16, 2003

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No. (s)

No. 10/086,285

B. Patent No.(s)

10/02/2003 EDDPER 0010264400  
02-2105 Name/Number: 10006285  
FC: 9204 440.00 CR

Additional numbers attached?  Yes  No

103 OCT - 1 AM 8:33  
OPR/FINANCE

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Barry E. Negrin, Esq.

Internal Address: Levisohn, Berger & Langsam LLP

Street Address: 805 Third Avenue - 19th Floor

10/02/2003 EDDPER 00000116 10006285

01 FC: 0921

40.00 CR

City: New York State: NY ZIP: 10022

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41):.....\$ 80.00

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Authorized to be charged to deposit account

8. Deposit account number:

02-2105

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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.

Barry E. Negrin, Esq.

Name of Person Signing

Signature

9/29/03

Date

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PATENT

REEL: 014540 FRAME: 0444

LEVISCHN LERNER

Fax:212-486-0323

Sep 3 '03 16:55

P.02

**ASSIGNMENT OF INVENTION**

**PATENT**

For:  U.S. and/or  Foreign Rights  
For:  U.S. Application or  U.S. Patent  
By:  Inventor(s) or  Present Owner

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNOR (Inventor or person or entity who owns the invention):**

Type or print name(s) of ASSIGNOR(S), Address and Nationality

Name: Gregory H. Loibl  
Address: 821 Violet Avenue  
Hyde Park, New York 12538  
Citizenship: US

hereby sells, assigns, and transfers to

**ASSIGNEE:**

Type or print name of ASSIGNEE, Address and Nationality

Name: The Cooper Union For the Advancement of Science and Art  
Address: 30 Cooper Square  
New York, New York 10003

A New York Educational Institution

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest  
 an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority,

in and to any and all improvements which are disclosed in the invention entitled:

Title: *Rapid Fluid Cooling and Heating Device and Method*

Attorney File No.: 6011.005

LEVISJOHN LERNER

Fax: 212-486-0323

Sep 3 '03 16:55

P. 03

(check and complete (a), (b), (c), or (d))

and which is found in:

- (a)  U.S. patent application executed on even date herewith.
- (b)  U.S. patent application executed on \_\_\_\_\_.
- (c)  U.S. patent application Serial No. 10/086,285 filed on March 1, 2002.
- (d)  U.S. Patent No. \_\_\_\_\_ issued on \_\_\_\_\_.
- (e)  U.S. provisional patent application filed \_\_\_\_\_.

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (e) if foreign application(s) is also being completed)

- (f)  and any legal equivalent thereof in a foreign country, including the right to claim priority.

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment:

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce all application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 9/4/03  
(Date of Signing)

NOTE: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Gregory H. Loibl  
Gregory H. Loibl

If ASSIGNOR is a legal entity complete the following information:

Gregory Loibl  
Type or print name of the above person authorized to sign for ASSIGNOR

President - RLS, Inc.  
Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

Notarization or Legalization Page Added.

**ASSIGNMENT OF INVENTION**

**PATENT**

For:  U.S. and/or  Foreign Rights  
For:  U.S. Application or \_\_\_ U.S. Patent  
By:  Inventor(s) or \_\_\_ Present Owner

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNOR** (Inventor or person or entity who owns the invention):

Type or print name(s) of ASSIGNOR(S), Address and Nationality

Name: George Sidebotham  
Address: 51 Astor Place  
New York, New York 10003  
Citizenship: US

hereby sells, assigns, and transfers to

**ASSIGNEE:**

Type or print name of ASSIGNEE, Address and Nationality

Name: The Cooper Union For the Advancement of Science and Art  
Address: 30 Cooper Square  
New York, New York 10003  
  
A New York Educational Institution

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest  
\_\_\_ an undivided \_\_\_\_\_ percent (\_\_\_%) interest for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority,

in and to any and all improvements which are disclosed in the invention entitled:

Title: ***Rapid Fluid Cooling and Heating Device and Method***

Attorney File No.: 6011.005

(check and complete (a), (b), (c), or (d))

and which is found in:

- (a) \_\_\_ U.S. patent application executed on even date herewith.
- (b) \_\_\_ U.S. patent application executed on \_\_\_\_\_.
- (c) x U.S. patent application Serial No. 10/086,285 filed on March 1, 2002.
- (d) \_\_\_ U.S. Patent No. \_\_\_\_\_ issued on \_\_\_\_\_.
- (e) \_\_\_ U.S. provisional patent application filed \_\_\_\_\_.

\_\_\_ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (e) if foreign application(s) is also being completed)

- (f) x and any legal equivalent thereof in a foreign country, including the right to claim priority.

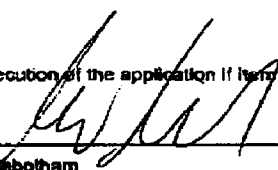
and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce all application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 9/16/03  
(Date of Signing)

NOTE: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

  
\_\_\_\_\_  
George Sidelotham

If ASSIGNOR is a legal entity complete the following information:

\_\_\_\_\_  
Type or print name of the above person authorized to sign for ASSIGNOR

\_\_\_\_\_  
Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.  
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Notarization or Legalization Page Added.

Continuation of Application No. 10/086,285