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Form PTO-1595
(Rev. 10/02)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

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

1. Name of conveying party(ies):

ANDERSON, William G. SARRAF, David B
EASTMAN, Yale G. ZUO, Jon

2. Name and address of receiving party(ies)

Name: Advanced Cooling Technologies Inc.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Street Address: 1046 New Holland Avenue

City: Lancaster State: PA Zip: 17601

Execution Date: 11/12/2003

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

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

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

A. Patent Application No.(s) November 12, 2003

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: Colesanti & Associates

Internal Address: _____

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 40

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

502357

Street Address: 117 North 15th Street
Suite 1505

City: Philadelphia State: PA Zip: 19102

DO NOT USE THIS SPACE

9. Signature.

Anthony Colesanti

Name of Person Signing

Signature

November 12, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

17858 U.S. PTO
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ASSIGNMENT

WHEREAS, the undersigned person(s), (hereinafter referred to as "ASSIGNOR(S)") is/are the inventor of certain inventions or improvements for **HYBRID LOOP COOLING OF HIGH POWDERED DEVICES**, for which he/she has on the date indicated below next to his/her signature executed an application for Letters Patent of the United States; and

WHEREAS, **ADVANCED COOLING TECHNOLOGIES, INC.**, a Pennsylvania corporation, having a mailing address of 1046 New Holland Avenue, Lancaster, PA 17601, (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to said application for patent, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States or in any other country.

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) in hand paid by said ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR(S), has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, to said ASSIGNEE, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions, and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and its possessions and territories and in all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, sale and transfer not been made;

AND the undersigned ASSIGNOR(S) hereby covenants that he/she has full right to convey the entire interest herein assigned, and that he has not executed and will not execute any agreement in conflict herewith, and further covenants and agrees that he/she will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent in said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, and reissue applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its own benefit proper patent protection for said inventions or improvements in the United States and its possessions and territories and in all other countries;

AND ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue to said ASSIGNEE, the entire right, title and interest, in and to any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, ASSIGNOR(S) hereunto sets his/her hand and seal, intending to be legally bound.

1	Full Name ANDERSON, William G.	Inventor's Signature <i>William G. Anderson</i>	Date 11/3/03
	Residence 1791 Middlebrook Rd Bound Brook NJ 08805	Citizenship USA	
	Post Office Address (same as above)		
2	Full Name EASTMAN, G. Yale	Inventor's Signature <i>G. Yale East</i>	Date 11/3/03
	Residence 257 Brook Farms Rd. Lancaster, PA 17601	Citizenship USA	
	Post Office Address (same as above)		
3	Full Name SARRAF, David B.	Inventor's Signature <i>David B. Sarraf</i>	Date 11-3-03
	Residence 303 Arch St. ELIZABETHTOWN PA 17022	Citizenship USA	
	Post Office Address (same as above)		
	Full Name ZUO, Jon	Inventor's Signature <i>JZUO</i>	Date 11/3/03
	Residence 1030 Lehn Dr., Lancaster, PA 17601	Citizenship USA	
	Post Office Address (same as above)		

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