Form <b>PTO-1595</b> (Rev. 03-09)	an a l'itali anno 15 an anno 16 an	U.S. DEPARTMENT OF COMMERCE
<u>OMB No. 0651-0027 (exp. 03/31/2009)</u> 1 /	3/2012	United States Patent and Trademark Office
3/3/12-		·
To the Director of the U.S. Patent and 1036	41988	cuments or the new address(es) below.
1. Name of conveying party(ies)	2. Name and ad	Idress of receiving party(ies)
	Name:Advanced C	Cooling Technologies, Inc.
John R. Hartenstine, William G. Anderson, Michael J. DeChristopher	Internal Address	s:
Additional name(s) of conveying party(ies) attached?	No.	
3. Nature of conveyance/Execution Date(s):		1046 New Holland Ave.
Execution Date(s) 02/28/2012	_	12385704
X Assignment Merger		030312
Security Agreement Change of Name	City: Lancaster	0500
Joint Research Agreement	State: PA	
Government Interest Assignment	Country used	7101 47204
Executive Order 9424, Confirmatory License	Country: U.S.A.	Zip: <u>17601</u>
Other	Additional name(s	) & address(es) attached? 🗌 Yes 🔀 No
4. Application or patent number(s): X Thi A. Patent Application No.(s)		g filed together with a new application.
A. Patent Application No.(s) Additional numbers	s document is bein B. Patent No B. Patent No	g filed together with a new application. p.(s) <\No
A. Patent Application No.(s)	s document is bein B. Patent No B. Patent No	g filed together with a new application. b.(s)
A. Patent Application No.(s) Additional numbers 5. Name and address to whom correspondence	s document is bein B. Patent No attached? Yes 2 6. Total number involved: 1	g filed together with a new application. o.(s) 오.No <b>오. No</b> <b>r of applications and patents</b>
A. Patent Application No.(s) Additional numbers 5. Name and address to whom correspondence concerning document should be mailed:	s document is bein B. Patent No attached? Yes 2 6. Total number involved: 1	g filed together with a new application. o.(s) ∑No <b>r of applications and patents</b>
A. Patent Application No.(s) Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: Martin Fruitman	s document is bein B. Patent No attached? Yes 6. Total number involved: 1 7. Total fee (37	g filed together with a new application. o.(s) 오.No <b>오. No</b> <b>r of applications and patents</b>
A. Patent Application No.(s) Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: Martin Fruitman	s document is bein B. Patent No attached? Yes 6. Total number involved: 1 7. Total fee (37	g filed together with a new application. o.(s) √No r of applications and patents CFR 1.21(h) & 3.41) \$_40.00
A. Patent Application No.(s)  Additional numbers  5. Name and address to whom correspondence concerning document should be mailed: Name: Martin Fruitman Internal Address:	s document is bein B. Patent No attached? Yes S 6. Total number involved: 1 7. Total fee (37 Authorized X Enclosed	g filed together with a new application. o.(s) √No r of applications and patents CFR 1.21(h) & 3.41) \$_40.00
A. Patent Application No.(s)  Additional numbers  5. Name and address to whom correspondence concerning document should be mailed: Name:_Martin Fruitman Internal Address:	s document is bein B. Patent No attached? Yes S 6. Total number involved: 1 7. Total fee (37 Authorized X Enclosed	g filed together with a new application. o.(s) ✓ No r of applications and patents CFR 1.21(h) & 3.41) \$_40.00 to be charged to deposit account red (government interest not affecting title)
A. Patent Application No.(s)  Additional numbers a	s document is bein B. Patent No attached? Yes 6. Total number involved: 7. Total fee (37 Authorized X Enclosed None requir	g filed together with a new application. o.(s) ✓ No r of applications and patents CFR 1.21(h) & 3.41) \$_40.00 to be charged to deposit account red (government interest not affecting title)
A. Patent Application No.(s)  Additional numbers  5. Name and address to whom correspondence concerning document should be mailed: Name: Martin Fruitman Internal Address: Street Address: 25821 Parada Dr. City: Valencia	s document is bein B. Patent No attached? Yes 6. Total number involved: 1 7. Total fee (37 Authorized X Enclosed None requir 8. Payment Inf	g filed together with a new application. (s) No r of applications and patents CFR 1.21(h) & 3.41) \$_40.00 to be charged to deposit account red (government interest not affecting title) formation
A. Patent Application No.(s)  Additional numbers  5. Name and address to whom correspondence concerning document should be mailed: Name: Martin Fruitman Internal Address: Street Address: 25821 Parada Dr. City: Valencia State: CA Zip: 91355	s document is bein B. Patent No attached? Yes S 6. Total number involved: 1 7. Total fee (37 Authorized S. Payment Inf 8. Payment Inf Deposit Act	g filed together with a new application. o.(s) <u>No</u> <b>r of applications and patents</b> CFR 1.21(h) & 3.41) \$_40.00 to be charged to deposit account red (government interest not affecting title) <b>formation</b> count Number
A. Patent Application No.(S)  Additional numbers  Additional numbers  Additional numbers  S. Name and address to whom correspondence concerning document should be mailed: Name: Martin Fruitman Internal Address: Street Address: 25821 Parada Dr.  City: Valencia State: CA Zip: 91355 Phone Number: 661-254-4928	s document is bein B. Patent No attached? Yes S 6. Total number involved: 1 7. Total fee (37 Authorized S. Payment Inf 8. Payment Inf Deposit Act	g filed together with a new application. o.(s) No r of applications and patents CFR 1.21(h) & 3.41) \$ 40.00 to be charged to deposit account red (government interest not affecting title) formation
A. Patent Application No.(s)          Additional numbers         Additional numbers         Street Address:	s document is bein B. Patent No attached? Yes S 6. Total number involved: 1 7. Total fee (37 Authorized S. Payment Inf 8. Payment Inf Deposit Act	g filed together with a new application. o.(s) <u>No</u> <b>r of applications and patents</b> CFR 1.21(h) & 3.41) \$_40.00 to be charged to deposit account red (government interest not affecting title) <b>formation</b> count Number d(User_Name_IMPERL_00000011_133857/04 01 FC.0001 (0.05
A. Patent Application No.(s)  Additional numbers  Additional numbers  Additional numbers  Additional numbers  S. Name and address to whom correspondence concerning document should be mailed: Name: Martin Fruitman Internal Address:  Street Address:	s document is bein B. Patent No attached? Yes S 6. Total number involved: 1 7. Total fee (37 Authorized S. Payment Inf 8. Payment Inf Deposit Act	g filed together with a new application. o.(s) <u>No</u> <b>r of applications and patents</b> <u>CFR 1.21(h) &amp; 3.41) \$_40.00</u> to be charged to deposit account red (government interest not affecting title) <b>formation</b> count Number d:User_Namer
A. Patent Application No.(s)  Additional numbers  Additional numbe	s document is bein B. Patent No attached? Yes S 6. Total number involved: 1 7. Total fee (37 Authorized None requir 8. Payment Info Deposit Act futhorized	g filed together with a new application. o.(s)

۶,

-

ġ.

]

¥

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

\*

Ĵ.

## ASSIGNMENT

For good and valuable consideration, we, John R. Hartenstine, William G. Anderson, and Michael J. DeChristopher, ("assignors")

hereby sell, assign and transfer to <u>Advanced Cooling Technologies, Inc.</u>, a corporation duly organized and existing under and by virtue of the laws of the State of Pennsylvania, having a place of business at <u>1046 New Holland Ave., Lancaster, Pennsylvania 17601</u>("assignee"), its successors and assigns, the entire right, title and interest, domestic and foreign, in the improvements in "LOOP HEAT PIPE **EVAPORATOR**" invented by assignor(s) and set forth in the attached U.S. Patent Application, and any and all applications for patent and patents granted therefor in any and all countries, including all divisions, reissues, continuations, reexaminations, inventor's certificates, and extensions therefor, and all right of priority resulting from the filing of said U.S. patent application, and

authorize and request that any and all patents for said improvements be issued to said assignee, or its successors or assigns, and

covenant that I have full right so to do, and

8

à

q'

agree to communicate to said assignee, its representatives, successors or assigns all facts known to assignor(s) respecting said improvements, whenever requested, and to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reexamination, and reissue applications, and make all rightful oaths and generally do everything to aid said assignee, its successors, assigns, and representatives to obtain and enforce proper patent protection for said improvements in all countries.

L R Handerf John R. Hartenstine, Assignor 2/28/12 Date: CERTIFICATE OF WITNESS I acknowledge that I was personally present and did see the above-named assignor, who is personally known to me, duly execute the above assignment on the date set forth, Printed Name of Witness Signature of Witness 2/28/12 Date: William G. Anderson, Assignor CERTIFICATE OF WITNESS I acknowledge that I was personally present and did see the above-named assignor, who is personally known to me, duly execute the above assignment on the date set forth. Signature of Witness rinted Name of Witness Page 1 of 2

PATENT REEL: 027951 FRAME: 0240

Date:

£

4

5

2/28/12

Michael J. DeChristopher, Assignor

## CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see the above-named assignor, who is personally known to me, duly execute the above assignment on the date set forth.

NO

Printed Name of Witness

Signature of Witness

Page 2 of 2

## PATENT REEL: 027951 FRAME: 0241

**RECORDED: 03/03/2012**