FORM PTO-1595

(Rev. 06/93)

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U.S. Department of Commerce Patent and Trademark Office Attorney Docket No.: COOL-03701

...

Commissioner for Patents P.O. Box 1450

OMB No. 0651-0011 (Exp. 04/94)

Alexandria, VA 22313-1450

1.

4.

Please record the	attached original documents of	r copy thereof.

Name of conveying party(ies):

PATENTS ONLY

Girish Upadhya Mark Munch Norman Chow Paul Tsao Douglas E. Werner Mark McMaster Frederic Landry Ian Spearing

Additional name(s) of conveying party(ies) attached.

Nature of conveyance:

<u>X</u> Assignment Security Agreement Other:

Tim Schrader

Merger Change of Name

Execution Date: Girish Upadhya, Norman Chow, Paul Tsao and Mark McMaster executed on 4/12/07; Mark Munch executed on 4/13/07; Douglas E. Werner executed on 4/11/07; Frederic

Landry executed on 4/16/07; and Ian Spearing and Tim Schrader executed on 5/1/07.

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

> Cooligy Inc. 800 Maude Avenue Mountain View, CA 94043

Additional name(s) and address(es) attached.

Application number(s) or patent number(s): 11/707,350

This document is being filed together with a new application, the execution date of the application is: Patent Application Serial No.(s): filed on.

Patent No.(s):

Additional numbers attached.

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

> Thomas B. Haverstock HAVERSTOCK & OWENS LLP 162 North Wolfe Road Sunnyvale, CA 94086

6. Total number of applications and patents involved: 1.

7. Total fee(s) [37 CFR §§ 1.21(h) and 3.41]:

> Check(s) in the amount of \$40.00 is enclosed. (Assignment/Recordation Fee)

8. Authorization to Charge Additional Fees:

> The Commissioner is hereby authorized to charge any additional fees or credit any overpayment associated with this communication and which may be required under 37 CFR §§ 1.21(h) and 3.41 to Deposit Account No. 08-1275

9. To the best of my knowledge and belief, the foregoing information is true and correct and any affached copy of the original document.

Dated: May 9, 2007

Signature: Name: Thomas B. Haverstock

Reg. No.:

Total number of pages including cover sheet, attachments, and document: 6

05/14/2007 DBYRNE

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Attorney Docket No.: <u>COOL-03701</u>

ASSIGNMENT

WHEREAS, WE, Girish Upadhya, Mark Munch, Norman Chow, Paul Tsao, Douglas E. Werner, Mark McMaster, Frederic Landry, lan Spearing and Tim Schrader, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:	LIQUID COOLING LOOPS I	FOR SERVER APPLICA	TIONS	
Date of execution of	application:	Filing Date:	February 16, 2007	Serial No.: 11/707,350
WHERE, to as "ASSIGNEE", may be granted on the	is desirous of acquiring the entire	f the State of Delaware, 800 right, title and interest in sa	Maude Ave., Mountain Vide invention and application	View, CA 94043 hereinafter referred on and in any Letters Patent which
which is hereby acks Assignee, and Assig Patent, and any Lett any divisions, renew to be held and enjoy and transfer not been	ers Patent which may hereafter be vals, continuations in whole or in p red by said Assignee as fully and e n made, to the full end and term or	assigned and transferred, and ight, title and interest in an granted on the same in the part, substitutions, conversional exclusively as it would have frany Letters Patent.	nd by these presents do seld to said invention, said ap United States and all cour ions, reissues, prolongation e been held and enjoyed by	l, assign and transfer unto said plication for United States Letters stries throughout the world including as or extensions thereof, said interest y said Assignors had this assignment
prosecution of said a Letters Patent and for lawfully may reques said Assignee, or As	or the reissue thereof, and instrument, to obtain or maintain Letters Passignee's successors and assigns.	ecute, verify, acknowledge ents of assignment and trar atent for said invention and	e and deliver all such furth isfer thereof, and will perform improvement in any and a	er papers, including applications for orm such other acts as Assignee Il countries, and to vest title thereto in
IN TEST	TMONY WHEREOF, Assignors I	nave hereunto signed their	names to this assignment of	n the dates indicated below.
	March	-		4/12/07
	Girish Upadhya		-	Date
	Mark Munch	 		Date
(11.011		4	1/2/07
	Norman Chow			Date
	10.00	***	4	10/07
	Paul Tsao			Date
Man	Douglas E. Werner G M Wash Mark McMaster		4/1	Date Date
	Frederic Landry	1.70		Date
	Ian Spearing	<u> </u>		Date
	Tim Schrader			Date
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STATE OF	liternia	— ç		
COUNTY OF	conte Clarce	- i . ii		, ,)
On 🖺	pr.1 12,2007 befo	ore me, Daniell	e hae 50	hmylt
Spearing and Tim-	d Girish Upadhya, Mark Mu nch, N Schrader			McMaster, Frederic Landry, Ian
☐ personally know	n to me - OR - proved to me on	the within ins	strument and acknowledge	to me that hershertney executed the
		_signature(s) o	n the instrument the person	(ies), and that by his/her/their (s), or the entity upon behalf of
	reces	/	rson(s) acted, executed the	instrument.
DAN	HELLE RAE SCHMIDT Imission # 1615380	(WITNESS M	hand and official seal.	2N.
Noto:	v Public - California \$	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	WYPROOF	DN
	nta Clara County nm. Expires Oct 22, 2009	* ACM	Signature of Nota	ry Public
My Con	HII. CAPITOS)		

Attorney Docket No.: COOL-03701

ASSIGNMENT

WHEREAS, WE, Girish Upadhya, Mark Munch, Norman Chow, Paul Tsao, Douglas E. Werner, Mark McMaster, Frederic Landry, lan Spearing and Tim Schrader, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

LIQUID COOLING LOOPS FOR SERVER APPLICATIONS

Title of Invention:

Date of execution of application:	Filing Date:	February 16, 2007	Serial No.: 11/707,350
WHEREAS, <u>Cooligy Inc.</u> , a <u>Corporation of the State of</u> to as "ASSIGNEE", is desirous of acquiring the entire right, title a may be granted on the same;			
NOW THEREFORE, TO ALL WHOM IT MAY CON which is hereby acknowledged, Assignors have sold, assigned and Assignee, and Assignee's successors and assigns, all right, title an Patent, and any Letters Patent which may hereafter be granted on any divisions, renewals, continuations in whole or in part, substitt to be held and enjoyed by said Assignee as fully and exclusively and transfer not been made, to the full end and term of any Letters	d transferred, and interest in and the same in the utions, conversions it would have	d by these presents do sell, d to said invention, said app United States and all coun ons, reissues, prolongations	, assign and transfer unto said plication for United States Letters tries throughout the world including s or extensions thereof, said interest
Assignors further agree that they will, without charge to prosecution of said application and/or applications, execute, verif Letters Patent and for the reissue thereof, and instruments of assignavfully may request, to obtain or maintain Letters Patent for said said Assignee, or Assignee's successors and assigns.	y, acknowledge inment and tran	and deliver all such furthe sfer thereof, and will perfor	r papers, including applications for rm such other acts as Assignee
IN TESTIMONY WHEREOF, Assignors have hereund	to signed their n	names to this assignment or	n the dates indicated below.
Girish Upadhya	-		Date
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gohn het steme	 .	9//	13/07
Mark Munch			Date
Norman Chow			Date
Paul Tsao	_		Date
Douglas É. Werner	-		Date
Ü			
Mark McMaster	-		Date
Frederic Landry	_		Date
Ian Spearing	_		Date
Tim Schrader			Date
STATE OF CANTONIA			
COUNTY OF SCINTE CLARE	<i>li</i> .	Ra sala	
On 19(1) 3, 200 before me.	grielle	e the och	mor .
personally appeared Girish Upadhya, Mark Munch, Norman Chev Spearing and Tim Schrader			cMaster Frederic Landry, Ian
personally known to me - OR - proved to me on the basis of	the within insti	rument and acknowledged t	hose names are subscribed to to me that he/she/they executed the ics), and that by his/her/their
/	signature(s) on	the instrument the person(8), or the entity upon behalf of
DANIELLE RAE SCHMIDT	winch the pers	on(s) acted, executed the in	isuument.
Commission # 1415390	WILLYESS	Hand and official seal	$\sim L$
Notary Public - California Santa Clara County	XXVYZ	MHW V	W.
My Comm System County	1	Signature of Notary	Public

PATENT Attorney Docket No.: COOL-03701

ASSIGNMENT

WHEREAS, WE, Girish Upadhya, Mark Munch, Norman Chow, Paul Tsao, Douglas E. Werner, Mark McMaster, Frederic Landry, Ian Spearing and Tim Schrader, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

LIQUID COOLING LOOPS FOR SERVER APPLICATIONS

Title of Invention:

Date of execution of application:	Filing Date:	February 16, 2007	Serial No.: 11/707,350
WHEREAS, <u>Cooligy Inc.</u> , a <u>Corporation of the State of</u> to as "ASSIGNEE", is desirous of acquiring the entire right, title armay be granted on the same;	f Delaware, 800 nd interest in sa	Maude Ave., Mountain id invention and applica	1 View, CA 94043 hereinafter referred tion and in any Letters Patent which
NOW THEREFORE, TO ALL WHOM IT MAY CONG which is hereby acknowledged, Assignors have sold, assigned and Assignee, and Assignee's successors and assigns, all right, title and Patent, and any Letters Patent which may hereafter be granted on any divisions, renewals, continuations in whole or in part, substitut to be held and enjoyed by said Assignee as fully and exclusively a and transfer not been made, to the full end and term of any Letters	transferred, and interest in and the same in the ations, conversi- is it would have	d by these presents do said to said invention, said United States and all coons, reissues, prolongations.	ell, assign and transfer unto said application for United States Letters untries throughout the world including ons or extensions thereof, said interest
Assignors further agree that they will, without charge to prosecution of said application and/or applications, execute, verify Letters Patent and for the reissue thereof, and instruments of assiglawfully may request, to obtain or maintain Letters Patent for said said Assignee, or Assignee's successors and assigns.	y, acknowledge nment and trans	and deliver all such fur sfer thereof, and will pe	ther papers, including applications for reform such other acts as Assignee
IN TESTIMONY WHEREOF, Assignors have hereunted	o signed their n	ames to this assignment	on the dates indicated below.
Girish Upadhya	-		Date
Mark Munch	-		Date
Norman Chow	-		Date
Paul Tsao	-		Date
Douglas E. Werner	-		Date 7
Mark McMaster	-		Date
Frederic Landry	-		Date
lan Spearing	-	<u> </u>	Date
Tim Schrader	-		Date
COUNTY OF SCHAPE, CILYCL	- مالمة	Rua Exlan	odt
personally appeared Girish Upadhya, Mark Munch, Norman Chow Spearing and Tint Schrade! □ personally known to me - OR - Uproved to me on the basis of spearing and the basis o	, Paul Tsao, Do	buglas E. Werner, Mark	
	the within instr same in his/her signature(s) on	rument and acknowledge Herr authorized capaci	ed to me that he/shc/they executed the ty(ies), and that by his/hc/their- on(s), or the entity upon behalf of
DANIELLE RAE SCHMIDT Commission # 1615380 Notary Public - California Sonta Clara County My Comm. Expires Oct 22, 2009	WITNESS ÉS	hard and official seal.	ary Public

Attorney Docket No.: COOL-0370

ASSIGNMENT

WHEREAS, WE, Girish Upadhya, Mark Munch, Norman Chow, Paul Tsao, Douglas E. Werner, Mark McMaster, Frederic Landry, Ian Spearing and Tim Schrader, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent: LIQUID COOLING LOOPS FOR SERVER APPLICATIONS Title of Invention: Filing Date: February 16, 2007 Serial No.: 11/707,350 Date of execution of application: WHEREAS, Cooligy Inc., a Corporation of the State of Delaware, 800 Maude Ave., Mountain View, CA 94043 hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same; NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any Letters Patent. Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns. IN TESTIMONY WHEREOF, Assignors have hereunto signed their names to this assignment on the dates indicated below. Date Girish Upadhya Date Mark Munch Date Norman Chow Date Paul Tsao Douglas E. Werner Date Date Mark McMaster - APR Ian Spearing Date Date Tim Schrader STATE OF _ COUNTY OF before me personally appeared Girish Upadhya, Mark Munch, Norman Chow, Paul Tsao, Douglas E. Werner, Mark McMaster, Frederic Landry, Ian Spearing and Tim Schrader

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose names are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal.

SEAL

PATENT REEL: 019307 FRAME: 0501

Signature of Notary Public

Attorney Docket No.: COOL-03701

ASSIGNMENT

WHEREAS, WE, Girish Upadhya, Mark Munch, Norman Chow, Paul Tsao, Douglas E. Werner, Mark McMaster, Frederic Landry, lan Spearing and Tim Schrader, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:	LIQUID COOLING LOOPS FOR SERV	VER APPLICAT	<u>TIONS</u>	
Date of execution of	f application:	Filing Date: _	February 16, 2007	Serial No.: <u>11/707,350</u>
WHERE to as "ASSIGNEE", may be granted on the	AS, Cooligy Inc., a Corporation of the State of is desirous of acquiring the entire right, title and the same;	of Delaware, 800 and interest in sai	Maude Ave., Mountain V d invention and applicatio	iew, CA 94043 hereinafter referred n and in any Letters Patent which
which is hereby ack Assignee, and Assig Patent, and any Lett any divisions, renev to be held and enjoy and transfer not bee	HEREFORE, TO ALL WHOM IT MAY CON nowledged, Assignors have sold, assigned an mee's successors and assigns, all right, title an ers Patent which may hereafter be granted on wals, continuations in whole or in part, substituted by said Assignee as fully and exclusively in made, to the full end and term of any Letter is further agree that they will, without charge	ad transferred, and interest in and a the same in the lutions, conversion as it would have restant. to said Assignee.	I by these presents do sell, to said invention, said app United States and all count ns, reissues, prolongations been held and enjoyed by but at Assignee's expense	, assign and transfer unto said plication for United States Letters tries throughout the world including s or extensions thereof, said interest said Assignors had this assignment as cooperate with Assignee in the
Letters Patent and for lawfully may request said Assignee, or Assignee	application and/or applications, execute, verior the reissue thereof, and instruments of assist, to obtain or maintain Letters Patent for saissignee's successors and assigns.	gnment and trans d invention and in	fer thereof, and will perform mprovement in any and all	rm such other acts as Assignee I countries, and to vest title thereto is
IN TEST	IMONY WHEREOF, Assignors have hereun	nto signed their na	nmes to this assignment on	the dates indicated below.
	Girish Upadhya	_		Date
	Mark Munch			Date
	Norman Chow			Date
	Paul Tsao	_		Date
	Douglas E. Werner			Date
	Mark McMaster	_		Date
	Frederic Landry	_		Date
lr	Ian Spearing		٨ ٩ ٩	Date
7:	- Achieda Tim Schrader		Mey 1	Date
STATE OF	OHTO			
COUNTY OF	TANKLIN MAN 1, 2007 before me.	RHONDA	ZAK	
personally appeared	Girish Upadhya, Mark Muneh, Norman Cho	w, Paul Tsee, Do		cMaster, Frederic Landry, Ian
personally known	n to me - OR - proved to me on the basis of	same in his/her/ signature(s) on	ument and acknowledged to their authorized capacity(i	to me that he/she/they executed the ies), and that by his/her/their s), or the entity upon behalf of
	RHONDA SUE ZAK Notary Public, State of Ohio	WITNESS my	hand and official seal.	2.4
SEAL MY COM	mission Expires October 12, 2009	The state of the s	Signature of Notary	Public

PATENT REEL: 019307 FRAME: 0502

RECORDED: 05/11/2007