

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Varidigm Corporation	08/31/2012
RECEIVING PARTY DATA	
Name:	Acacia Research Group LLC
Street Address:	6136 Frisco Square Blvd.
Internal Address:	Suite 385
City:	Frisco
State/Country:	TEXAS
Postal Code:	75034
PROPERTY NUMBERS Total: 38	
Property Type	Number
Patent Number:	5202951
Patent Number:	5932981
Patent Number:	6133699
Application Number:	08733533
Application Number:	60010274
Patent Number:	5796234
Patent Number:	5899686
Application Number:	60024170
Patent Number:	5997285
Patent Number:	6004129
Patent Number:	5485953
Patent Number:	5602758
Application Number:	08007203
Application Number:	08523033

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Application Number:	08587751
Application Number:	09573823
Patent Number:	5772501
Patent Number:	5801940
Patent Number:	5706190
Application Number:	08375481
Patent Number:	6329785
Patent Number:	6866202
Application Number:	60322133
Patent Number:	7293718
Patent Number:	5971745
Application Number:	60006543
Patent Number:	6299433
Patent Number:	5590642
Application Number:	08600376
Application Number:	90009407
Patent Number:	5648722
Patent Number:	6329783
Patent Number:	6504338
Patent Number:	6864659
Application Number:	60304954
Patent Number:	7075255
Application Number:	12343469
Application Number:	13317957

#### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	35141.00000
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NAME OF SUBMITTER:	Craig J. Lervick
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**PATENT**  
**REEL: 029013 FRAME: 0428**

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## ASSIGNMENT

Whereas, **VARIDIGM CORPORATION** ("Assignor"), a Delaware Corporation having a principal place of business at 3070 Ranchview Lane N., Plymouth, MN 55447, is the owner of the United States patents and patent applications identified on the attached Exhibit A; and

Whereas, **Acacia Research Group LLC** ("ARG"), a Texas limited liability company having a principal place of business at 6136 Frisco Square Blvd. Suite 385, Frisco, TX 75034 ("Assignee"), desires to acquire the entire right, title and interest in and to the United States patent identified on the attached Exhibit A and in and to the inventions described and claimed therein (the "Patents").

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby assigns to Assignee, and its successors and assigns the following:

- (1) The entire right, title and interest to the Patents including the inventions described or claimed therein; and
- (2) The entire right, title and interest to any renewals, reissues, extensions, substitutions, continuations, continuations-in-part, or divisions of the Patent, and all foreign applications based thereon; and
- (3) The right to enforce patent rights to the Patents as fully and entirely as the same would have been held and enjoyed by the Assignor if this assignment had not been made; together with all claims by Assignor for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

Assignor further agrees for itself and for its successors and assigns to execute and deliver without further consideration any further applications, assignments or other documents and to perform such other lawful acts as Assignee, its successors and assigns may deem necessary to fully secure, maintain and enforce its rights, title or interest as outlined herein.

This Assignment may be executed in one or more counterparts, all of which shall be considered one and the same agreement. The signatures from each counterpart may be combined with a copy of the Assignment to constitute the entire Assignment.

IN TESTIMONY WHEREOF, I hereunto set my hand this 31<sup>st</sup> day of August, 2012.

VARIDIGM CORPORATION  
(Assignor)

By [Signature]  
Name BRADFORD L. BLANKENSHIP  
Title CHIEF EXECUTIVE OFFICER

STATE OF )  
COUNTY OF )

On August 31, 2012, before me  
Jane Bortnem, Notary Public, personally appeared  
Bradford Blankenship personally known to me (or proved to  
me on the basis of satisfactory evidence) to be the person whose name is subscribed to the  
within instrument and acknowledged to me that he executed the same in his authorized  
capacity, and that by his signature on the instrument the person, or the entity upon behalf of  
which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws  
of the State of Minnesota that the foregoing  
paragraph is true and correct. WITNESS my hand and  
official seal.



[Signature]  
Signature of Notary

EXHIBIT A

U.S. PATENTS & APPLICATIONS

US Patent No.	US Appl. No.	Filing Date	Issue Date	Title
5202951	7/710709	6/5/1991	4/13/1993	Mass flow rate control system and method
5932981	8/784144	1/17/1997	8/3/1999	Apparatus and method for reduced voltage controller
6133699	8/733532	10/18/1996	10/17/2000	Method and apparatus for operating a plurality of motors with a single controller
-	*08/733533	10/16/1996	-	Apparatus and method for reduced cost controller with partial speed control range
-	*60/010274	1/19/1996	-	Variable speed ac induction motor and controller therefore
5796234	8/784143	1/17/1997	8/18/1998	Variable speed motor apparatus and method for forming same from a split capacitor motor
5899686	8/912767	8/18/1997	5/4/1999	Gas burner apparatus having a flame holder structure with a contoured surface
-	*60/024170	8/19/1996	-	Closed loop combustion control
5997285	8/912483	8/18/1997	12/7/1999	Burner housing and plenum configuration for gas-fired burners
6004129	9/243272	2/2/1999	12/21/1999	Burner housing and plenum configuration for gas-fired burners
5485953	8/378517	1/26/1995	1/23/1996	Method and apparatus for controlling the circulation of heat transfer fluid for thermal conditioning systems for spaces
5602758	8/378514	1/26/1995	2/11/1997	Installation link-up procedure
-	*08/007203	1/22/1993	-	System and method for providing a user-responsive hvac system
-	*08/523033	9/1/1995	-	System and method for providing a user-responsive hvac system
-	*08/587751	1/17/1996	-	N/a
-	*09/573823	5/18/2000	-	N/a
5772501	8/542310	10/12/1995	6/30/1998	Indoor environmental conditioning system and method for controlling the circulation of non-conditioned air
5801940	8/598561	2/12/1996	9/1/1998	Fault-tolerant hvac system
5706190	8/623047	3/28/1996	1/6/1998	Fault-tolerant hvac system
-	*08/375481	1/19/1995	-	Appliance interface apparatus and automated residence management system
6329785	9/515943	2/29/2000	12/11/2001	Pulse width modulated controlled induction motor
6866202	10/236678	9/6/2002	3/15/2005	Variable output heating and cooling control
-	*60/322133	9/10/2001	-	Variable output combustion controller

US Patent No.	US Appl. No.	Filing Date	Issue Date	Title
7293718	11/080773	3/15/2005	11/13/2007	Variable output heating and cooling control
5971745	8/747777	11/13/1996	10/26/1999	Flame ionization control apparatus and method
-	*60/006543	11/13/1995	-	Flame ionization controlled burner apparatus and method
6299433	9/435288	11/5/1999	10/9/2001	Burner control
5590642	8/378516	1/26/1995	1/7/1997	Control methods and apparatus for gas-fired combustors
	*08/600376	2/12/1996	-	N/a
Reexam Cert Issued	90/009407	2/18/2009	3/30/2010	Control methods and apparatus for gas-fired combustors
5648722	8/508599	7/28/1995	7/15/1997	Apparatus and method for determining the state of an electrical switch within an hvac system
6329783	9/475687	12/30/1999	12/11/2001	Apparatus for continuously variable speed electric motor applications
6504338	9/904428	7/12/2001	1/7/2003	Constant cfm control algorithm for an air moving system utilizing a centrifugal blower driven by an induction motor
6864659	10/191975	7/9/2002	3/8/2005	Variable speed controller for air moving applications using an ac induction motor
-	*60/304954	7/12/2001	-	Multi-speed controller for air moving applications using an ac induction motor
7075255	11/189333	7/26/2005	7/11/2006	Variable speed controller for a family of multi-tap motors
-	12/343,469	5/1/2009	-	Apparatus and method for modulating cooling
-	13/317,957	11/1/2011		Rooftop High-Efficiency Gas Furnance Control With Condensate Management

\*Denotes Abandoned or Expired patents and applications