PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
Nuventix, Inc.	04/21/2011

RECEIVING PARTY DATA

Name:	Silicon Valley Bank
Street Address:	3003 Tasman Drive
City:	Sata Clara
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 23

Property Type	Number
Application Number:	11494913
Application Number:	11248542
Application Number:	11265778
Application Number:	11599628
Application Number:	11599603
Application Number:	11641473
Application Number:	11601608
Application Number:	11325329
Application Number:	11406924
Application Number:	11710586
Application Number:	11804898
Application Number:	11205665
Patent Number:	7252140
Application Number:	11821582
Application Number:	12005159

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Application Number:	12156846
Application Number:	11825158
Application Number:	12286794
Application Number:	12288144
Application Number:	12291337
Application Number:	61127445
Application Number:	61134984
Application Number:	61134966

CORRESPONDENCE DATA

Fax Number: 2146616630
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
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ATTORNEY DOCKET NUMBER:	218803.316
NAME OF SUBMITTER:	Andrew Olsan
Signature:	/Andrew Olsan/
Date:	09/16/2013

Total Attachments: 8
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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "Agreement")dated as of ~~March~~ April 21, 2011 (as defined in the Loan Agreement) is between **SILICON VALLEY BANK** ("Bank") and **NUVENTIX, INC.**, a Delaware corporation ("Grantor").

RECITALS

A. Bank will make advances to Grantor ("Loans") as described in that certain Amended and Restated Loan and Security Agreement dated as of even date herewith (as the same may from time to time be further amended, modified, supplemented or restated, the "Loan Agreement"). Capitalized terms not otherwise defined herein shall have the meaning set forth in the Loan Agreement.

B. Bank's agreement to make such advances is subject to, among other things, Grantor's granting to Bank a security interest in Grantor's Copyrights, Trademarks, Patents, and Mask Works and other intellectual property (the "Intellectual Property Collateral").

C. Grantor has granted Bank a security interest in all of its right, title and interest, presently existing or later acquired to all the Collateral.

AGREEMENT

Grantor grants Bank a security interest in all of its right, title and interest in its Intellectual Property Collateral (such as the Copyrights, Patents, Trademarks and Mask Works listed on Schedules A, B, C and D), and all proceeds (such as license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements rights throughout the world and all reissues, divisions, continuations, renewals, extensions and continuations-in-part.

This security interest is granted in conjunction with the security interest granted under the Loan Agreement. Bank's rights and remedies in the security interest are in addition to those in the Loan Agreement and the other Loan Documents, and those available in law or equity. Bank's rights powers and interests are cumulative with every right, power or remedy provided here. Bank's exercise of its rights, powers or remedies in this Agreement, the Loan Agreement or any other Loan Document, does not preclude the simultaneous or later exercise of any or all other right, power or remedy.

BANK:

SILICON VALLEY BANK

Audrey Cox
(Signature)

Relationship Manager
(Title)

GRANTOR:

NUVENTIX, INC.,
a Delaware corporation

(Signature)

President & CEO
(Title)

EXHIBIT A

Copyrights

Description	Registration/Application Number	Registration/Application Date
N/A	N/A	N/A

EXHIBIT B

Patents

Description	Registration/ Application Number	Registration/ Application Date
Synthetic Jet Ejector for Augmentation of Pumped Liquid Loop Cooling and Enhancement of Pool and Flow Boiling	U.S. 11/494,913 Publication No.: US-2007-0023169-A1	28 July 2006
Acoustic Resonator for Synthetic Jet Generation for Thermal Management	U.S. 11/248,542 Publication No.: US-2007-0081027-A1	12 October 2005
Synthetic Jet Cooling System for LED Module	U.S. 11/265,778 Publication No.: US-2007-0096118-A1	2 November 2005
Synthetic Jet Cooling System for LED Module	European Application: EP 06 836 931.3 Regional application claiming Germany, Netherlands, and Great Britain	2 November 2006
Synthetic Jet Cooling System for LED Module	Japan Application: 2008-539084	1 May 2008
Synthetic Jet Heat Pipe Thermal Management Systems	U.S. 11/599,628 Publication No.: US-2007-0119575-A1	13 November 2006
Thermal Management System for Distributed Heat Sources	U.S. 11/599,603 Publication No.: US-2007-0127210-A1	13 November 2006
Thermal Management of Batteries Using Synthetic Jets	U.S. 11/641,473 Publication No.: US-2007-0141453-A1	19 December 2006

EXHIBIT B
PATENTS
(CONTINUED)

Synthetic Jet Ejector for the Thermal Management of PCI Cards	U.S. 11/601,608 Publication No.: US-2007-0119573-A1	17 November 2006
System and Method for Thermal Management Using Distributed Synthetic Jet Actuators	Australian Application No.: 2004258530	7 July 2004
System and Method for Thermal Management Using Distributed Synthetic Jet Actuators	Chinese Application No.: 200480025633.2	7 July 2004
System and Method for Thermal Management Using Distributed Synthetic Jet Actuators	Great Britain Patent No.: 2419644	7 July 2004
System and Method for Thermal Management Using Distributed Synthetic Jet Actuators	Japan Application No.: 2006-518864	7 July 2004
System and Method for Thermal Management Using Distributed Synthetic Jet Actuators	U.S. 11/325,329 Publication No. US-2006-0196638-A1	15 February 2006
System and Method for Thermal Management Using Distributed Synthetic Jet Actuators	U.S. 11/406,924 Publication No. US-2006-0185822-A1	18 April 2006
Electronics Package for Synthetic Jet Ejectors	U.S. 11/710,586 Publication No. US-2007-0272393-A1	22 February 2007
Electronics Package for Synthetic Jet Ejectors	European Application No.: 07 751 457.8 Regional application in Germany and The Netherlands	22 August 2008

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PATENTS
(CONTINUED)

Electronics Package for Synthetic Jet Ejectors	Chinese Application No.: 200780014572.3	14 November 2008
Methods for Reducing the Non-Linear Behavior of Actuators Used for Synthetic Jets	U.S. 11/804,898 Publication No. US-2008-0043061	21 May 2007
Apparatus and Method for Enhanced Heat Transfer	U.S. 11/205,665 Publication No. US-2006-0060331-A1	17 August 2005
Apparatus and Method for Enhanced Heat Transfer	U.S. Patent No. 7,252,140	1 September 2005
Vibration Isolation System For Synthetic Jet Devices	U.S. 11/821,582 Publication No. US-2008-0006393-A1	22 June 2007
Synthetic Jet Actuators For Cooling Heated Bodies and Environments	European Patent No. EP 1 040 736	12 November 1998
Thermal Management of Very Small Form Factor Projectors With Synthetic Jets	PCT Application No. PCT/US07/021821	11 October 2007
Thermal Management System for LED Array	U.S. 12/005,159 Publication No. US-2008-0219007-A1	26 February 2008
Synthetic Jet Ejector With Viewing Window and Temporal Aliasing	U.S. 12/156,846 Publication No. US-2008-0295997	4 June 2008
Moldable Housing Design for Synthetic Jet Ejector	U.S. 11/825,158 Publication No. US-2008-0009187-A1	3 July 2007

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(CONTINUED)

Vibration Balanced Synthetic Jet Ejector	U.S. 12/286,794 No Publication Date assigned at this time	1 October 2008
Light Fixture With Multiple LEDS and Synthetic Jet Thermal Management System	U.S. 12/288,144 No Publication Date assigned at this time	16 October 2008
Method and Apparatus for Controlling Diaphragm Displacement in Synthetic Jet Actuators	PCT Application No. PCT/US08/12550	6 November 2008
Method and Apparatus for Controlling Diaphragm Displacement in Synthetic Jet Actuators	U.S. 12/291,337 No Publication Date assigned at this time	6 November 2008
Thermal Management System for Card Cages	U.S. 61/127,445 Conversion due 13 May 2009	13 May 2008
Thermal Management of LED Illumination Devices With Synthetic Jet Ejectors	U.S. 61/134,984 Conversion due 15 July 2009	15 July 2008
Advanced Synjet Cooler Design for LED Light Modules	U.S. 61/134,966 Conversion due 15 July 2009	15 July 2008

EXHIBIT C

Trademarks

Description	Registration/Application Number	Registration/Application Date
Trademark: SYNJET	Registration No. 3,428,167	Registration Date: 13 May 2008
Trademark application for the mark: VIBE	Application No. 78/605,020	Application date: 8 April 2005
Trademark application for the mark: VIDA	Application No. 78/605,040	Application date: 8 April 2005
Trademark: NUVENTIX	Registration No.: 3,427,629	Registration Date: 13 May 2008
Trademark application for the mark: AERGO	Application No. 77/111,934	Application date: 20 February 2007

EXHIBIT D

Mask Works

Description	Registration/Application Number	Registration/Application Date
N/A	N/A	N/A