504061330 10/21/2016 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4107996

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYA	NCE:	SECURITY INTEREST	
CONVEYING PARTY D	ΑΤΑ		
		Name	Execution Date
SIGMA LABS, INC.			10/17/2016
RECEIVING PARTY DA	TA		
Name:		ITAL GLOBAL OPPORTUNITIES M/ TERAL AGENT	ASTER FUND LTD. AS
Street Address:	101 CO	LLINS STREET	
Internal Address:	LEVEL	51	
City:	MELBO	URNE, VICTORIA	
State/Country:	AUSTR	ALIA	
Postal Code:	3000		
PROPERTY NUMBERS	Total: 10)	
Property Type		Number	
Property Type Application Number:			
		Number	
Application Number:		Number 14832691	
Application Number: Application Number:		Number 14832691 14870914	
Application Number: Application Number: Application Number:	· · · · · · · · · · · · · · · · · · ·	Number 14832691 14870914 14945247	
Application Number: Application Number: Application Number: Application Number:	· · · · · · · · · · · · · · · · · · ·	Number 14832691 14870914 14945247 14955183	

CORRESPONDENCE DATA	
Fax Number:	(561)686-5442
	t to the e-mail address first; if that is unsuccessful, it will be sent ded; if that is unsuccessful, it will be sent via US Mail.
Phone:	561-227-4558
Email:	wseifert@nasonyeager.com

62235232

62311318

US2016185048

Email:	wseifert@nasonyeager.com
Correspondent Name:	MICHAEL D. HARRIS, ESQ.
Address Line 1:	3001 PGA BOULEVARD
Address Line 2:	SUITE 305

Application Number:

Application Number:

PCT Number:

Address Line 4: PALN	1 BEACH GARDENS, FLORIDA 33410
ATTORNEY DOCKET NUMBER:	10796.24594
NAME OF SUBMITTER:	MICHAEL D. HARRIS, ESQ.
SIGNATURE:	/mdh/
DATE SIGNED:	10/21/2016
Total Attachments: 12	
source=Security Agreement#page1.tif	
source=Security Agreement#page2.tif	
source=Security Agreement#page3.tif	
source=Security Agreement#page4.tif	
source=Security Agreement#page5.tif	
source=Security Agreement#page6.tif	
source=Security Agreement#page7.tif	
source=Security Agreement#page8.tif	
source=Security Agreement#page9.tif	
source=Security Agreement#page10.tif	
source=Security Agreement#page11.tif	
source=Security Agreement#page12.tif	

SECURITY AGREEMENT

This Security Agreement (the "Agreement") is entered into as of this 17th day of October, 2016 by and between Sigma Labs, Inc., a Nevada corporation (the "Borrower"), and L1 Capital Global Opportunities Master Fund Ltd, in its capacity as Collateral Agent (together with its successors and assigns in such capacity, the "Secured Party") for the benefit of itself and each of the Purchasers, as defined in the Securities Purchase Agreement by and among the Borrower and each of the Purchasers as of the date of this Agreement (the "SPA").

WHEREAS, the Purchasers have agreed to lend certain funds to the Borrower (the "Loan"), and the Borrower desires to borrow such funds from the Purchasers.

WHEREAS, in order to induce the Purchasers to make the Loan, the Borrower has agreed to grant a security interest in certain tangible and intangible property to the Secured Party for purposes of securing the obligations of the Borrower to the Purchasers.

NOW, THEREFORE, the parties hereto agree as follows:

1. <u>Creation of Security Interest</u>. In connection with the issuance by the Borrower of the Notes, as defined in the SPA, and as consideration for the Purchasers' advance of funds thereunder, the Borrower hereby grants to the Secured Party a security interest in the Collateral described in Section 2 to secure the performance or payment of all of the obligations of the Borrower under Section 3.

2. <u>Collateral</u>. The collateral of this Agreement (the "Collateral") consists of the items described on attached <u>Exhibit A</u>, including the Physical Collateral and the Patent Collateral, as defined in <u>Exhibit A</u>. Notwithstanding anything to the contrary herein, the obligations under Section 3(b) and Section 4 of this Agreement will not be deemed to apply to cash that is part of the Collateral.

3. <u>The Borrower's Obligations</u>.

(a) <u>Obligation to Pay</u>. The Borrower shall pay to the Purchasers \$1,000,000 and accrued interest thereon in accordance with the terms of the Notes.

- (b) <u>Additional Obligations</u>.
 - (i) <u>Protection of Collateral</u>. The Physical Collateral:

(1) will not be misused or abused, but will be maintained in good and operable condition, reasonable wear and tear excepted (except for any loss, damage or destruction which is fully covered by insurance proceeds) and will be repaired, renewed and replaced by the Borrower, in the exercise of reasonable discretion, as the Borrower shall deem necessary;

(2) will be insured by the Borrower in the amount of at least \$1,000,000 until this Agreement is terminated against all expected risks to which it is exposed, including fire, theft, wind and flood, and those which the Secured Party may reasonably designate, with the policies reasonably acceptable to the Secured Party, and providing for 30 days' minimum cancellation notice

to the Secured Party, and with certificates evidencing such insurance delivered to the Secured Party within ten days following the making of the Loans. The Borrower agrees to apply any such insurance proceeds to the replacement or repair of any damaged Collateral and, to the extent the Borrower does not do so within sixty days after receiving such proceeds, the Borrower will apply the proceeds to the Notes.

(ii) <u>Protection of Security Interest</u>.

(1) The Collateral will not be sold, licensed, transferred, encumbered, pledged, or disposed of or be subjected to any unpaid charge, including taxes, or to any subsequent interest of a third person created or suffered by the Borrower voluntarily or involuntarily, unless the Secured Party consents in advance in writing to such charge, transfer, disposition or subsequent interest, *provided, however*, that the Collateral may be sold, leased or licensed to third parties in the ordinary course of the Borrower's business, and

(2) Upon the making of the Loan, the Secured Party will file a Financing Statement with the Nevada Secretary of State and, upon notice to the Borrower, may file additional Financing Statements it deems necessary in places it deems appropriate to protect the security interest under this Agreement against the rights or interests of third persons.

(3) Any proceeds received by the Borrower upon the sale, lease, license, assignment, transfer, encumbrance, pledge or other disposition of any of the Collateral or any part thereof shall be paid to the Secured Party when received and applied to the Notes of the Purchasers on a pro rata basis (based on the amount of each Loan) until all principal, accrued interest and attorneys' fees outstanding under the Notes are paid in full. All additional proceeds, if any, from such sale or other disposition shall be retained by the Borrower. Notwithstanding anything to the contrary in this Agreement, all proceeds from selling, leasing and licensing the Collateral in the ordinary course of the Borrower's business shall be retained by the Borrower.

4. <u>Representations, Warranties and Covenants</u>. The Borrower represents, warrants and covenants to the Secured Party that:

(i) The Borrower has good and sufficient title to the Collateral that is material to the business of the Company, free and clear of all security interests, liens, encumbrances and claims whatsoever, other than those created in favor of the Secured Party, and except for Liens (as defined in the SPA) permitted under the SPA.

(ii) To the knowledge of the Borrower, no financing statement, notice of lien, security agreement or any other agreement or instrument creating or giving notice of an encumbrance or charge against any of the Collateral is in existence or on file in any public office, except those in favor of Secured Party.

(iii) The Borrower will at all times hereafter keep the Collateral free of all security interests, liens and claims whatsoever, except for the security interests, liens and claims in favor of the Secured Party, and except for Liens permitted under the SPA.

(iv) The Borrower (i) will, from time to time, on the reasonable request of the Secured Party, execute such financing statements, statements of assignment, notices and other

documents and pay the costs of filing or recording the same in all public offices deemed necessary by the Secured Party and do such other reasonable acts as the Secured Party may request to establish and maintain a valid security interest in the Collateral at the Borrower's expense and to file any financing statements, or any notices or assignments with the Patent and Trademark Office, relating to the Collateral (without the Borrower's signature thereon) which the Secured Party deems reasonably appropriate.

(v) the Borrower irrevocably appoints the Secured Party as the Borrower's attorney-in-fact during the existence of an Event of Default (as defined in the Notes) with full power of substitution, in its own name or in the Borrower's name, place and stead:

(1) To file any financing statements, and any documents in the Patent and Trademark Office that the Secured Party deems appropriate in connection with the perfection, protection, priority or enforcement of the Secured Party's security interest in the Collateral;

(2) To take any actions required of the Borrower under this Agreement that the Borrower fails or is unable to take in a timely manner; and

(3) While the Borrower is in default under this Agreement, to take any actions that the Secured Party deems reasonably appropriate (i) to protect, preserve or realize upon the Collateral and its security interest in the Collateral or to accomplish the purposes of this Agreement, including any actions described in Section 6 and (ii) in connection with the disposition of any Collateral (1) to assign or transfer title to such Collateral to itself or to any third party purchaser in connection with the Secured Party's exercise of its rights under the Uniform Commercial Code, and (2) to file with the Patent and Trademark Office or other governmental office or authority any documents necessary or advisable to implement, effectuate or reflect the disposition.

(4) The Secured Party will not disturb the rights of any third-party licensee or lessee of the Patent Collateral under a license or lease granted by the Borrower in the ordinary course of business so long as the licensee or lessee, as applicable, is not in breach of its obligations to the Borrower under the license or lease.

Except where prior notice is expressly required by the terms of this Agreement, the Secured Party shall use commercially reasonable efforts to provide notice to the Borrower prior to taking any action taken under this Section 4(v), provided that failure to deliver such notice shall not limit the Secured Party's right to take such action or the validity of any such action.

(vi) Except as otherwise provided herein, the Borrower will account fully and faithfully for and promptly pay or turn over to the Secured Party proceeds in whatever form received in disposition in any manner of any of the Collateral as provided herein.

(vii) All information now or hereafter furnished by the Borrower to the Secured Party relating in any way to the Collateral, is and will be true and correct in all material respects as of the date furnished.

5. <u>Default</u>. Any material misrepresentation or misstatement in connection with, or noncompliance with or non-performance of the Notes or this Agreement, a breach of the SPA or the occurrence of an event of default under the Notes, shall constitute default under this Agreement,

provided, however, that any such non-compliance, non-performance or breach shall constitute default under this Agreement if such non-compliance, non-performance or breach, as applicable, continues for ten days after written notice to the Borrower. In addition, the Borrower shall be in default if (i) bankruptcy or insolvency proceedings are instituted by or against the Borrower, which proceedings are not dismissed within 30 days; (ii) if the Borrower makes any assignment for the benefit of creditors, or (iii) if the Borrower shall default in performance of any agreement with the Purchasers, which default is not cured within ten days after written notice to the Borrower.

6. The Secured Party's Rights and Remedies.

(a) The Secured Party may assign this Agreement, with notice to the Borrower, and, if the Secured Party does assign this Agreement, the assignee shall be entitled, upon notifying the Borrower, to performance of all of the Borrower's obligations under this Agreement.

(b) If any default hereunder by the Borrower shall have occurred and be continuing, the Secured Party may exercise its rights of enforcement under the Uniform Commercial Code in force in Nevada and any notice of lien filed with the United States Patent Office and, in conjunction with, addition to or substitution for those rights, at the Secured Party's discretion, it may:

(i) To the extent permitted by law, enter upon the Borrower's premises for a reasonable period to take possession of, assemble and collect the Collateral.

(ii) Require the Borrower to assemble the Collateral and make it available at a place the Secured Party designates which is mutually convenient, to allow the Secured Party to take possession or sell, lease, license or otherwise dispose of the Collateral.

(iii) Waive any default or remedy any default in any reasonable manner without waiving the default remedied and without waiving any other prior or subsequent default.

(iv) the Borrower understands that to the extent permitted by law, if any default hereunder by the Borrower shall have occurred and be continuing, the Secured Party has a right to take possession of the Collateral by all lawful means and to sell, lease, license or otherwise dispose of the Collateral.

(c) Except as otherwise provided herein, with regards to only non-monetary defaults, the Secured Party will give notice to the Borrower that the Borrower is in default hereunder, and the Borrower shall have ten days from the date of such notice to cure the non-monetary defaults.

(d) The Secured Party's remedies are limited to recovering its outstanding principal and accrued interest under the Notes, attorneys' fees and costs incurred in the sale of the Collateral.

7. <u>Other Lienholders</u>. Any person or entity taking a junior encumbrance, or other lien upon the Collateral or any part thereof or any interest therein, shall take said lien subject to the rights of the Secured Party as provided in the Notes to amend, modify, extend, renew, enlarge or release the Notes, this Agreement (as provided herein) or any other document or instrument evidencing, securing or guaranteeing the Notes, including, but not limited to, any amendments, modifications, extensions or renewals that increase the amount outstanding under the Notes, in each and every case without obtaining the consent of the holder of such junior lien and without the lien of this Agreement losing

its priority over the rights of any such junior lien. Accordingly, any person or entity taking a junior encumbrance, or other lien upon the Collateral or any part therein or any interest therein, shall take said lien subject to the provisions of the Notes and this Agreement, including, but not limited to, the above provision. Nothing in this Section shall be deemed to authorize any such junior encumbrance or other liens on the Collateral.

8. <u>Severability</u>. In the event any parts of this Agreement are found to be void, the remaining provisions of this Agreement shall nevertheless be binding with the same effect as though the void parts were deleted.

9. <u>Counterparts</u>. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same instrument. The execution of this Agreement may be by actual or facsimile signature, or in electronic (i.e., "pdf" or "tif") format.

10. <u>Benefit</u>. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their legal representatives, successors and assigns.

11. <u>Notices and Addresses</u>. All notices, offers, acceptance and any other acts under this Agreement (except payment) shall be in writing, and shall be sufficiently given if delivered to the addressees in person, by FedEx or similar receipted next business day delivery, or by email followed by overnight next business day delivery as follows:

Secured Party:	L 1 Capital Global Opportunities Master Fund Ltd Attention: David Feldman Email: dfeldman@11capitalglobal.com
with a copy to:	Nason Yeager 3101 PGA Blvd Suite 305 Palm Beach Gardens, FL 33410 Attention: Michael D. Harris, Esq. Email: <u>mharris@nasonycager.com</u>
the Borrower:	Sigma Labs, Inc. 3900 Paseo del Sol Santa Fe, NM 87507 Attention: Chief Executive Officer
with a copy to:	TroyGould PC 1801 Century Park East 16th Floor Los Angeles, CA 90067 Attention: Darren Freedman, Esq

or to such other address as any of them, by notice to the other may designate from time to time. Time shall be counted to, or from, as the case may be, the date of delivery. 12. <u>Attorneys' Fees</u>. In the event that there is any controversy or claim arising out of or relating to this Agreement, or to the interpretation, breach or enforcement thereof, and any action or proceeding is commenced to enforce the provisions of this Agreement, the prevailing party shall be entitled to reasonable attorneys' fees, costs and expenses (including such fees and costs on appeal).

13. <u>Oral Evidence</u>. This Agreement constitutes the entire Agreement between the parties and supersedes all prior oral and written agreements between the parties hereto with respect to the subject matter hereof. Neither this Agreement nor any provision hereof may be changed, waived, discharged or terminated orally, except by a statement in writing signed by the party or parties against which enforcement or the change, waiver, discharge or termination is sought.

14. <u>Additional Documents</u>. The parties hereto shall execute such additional instruments as may be reasonably required by their counsel in order to carry out the purpose and intent of this Agreement and to fulfill the obligations of the parties hereunder.

15. <u>Governing Law</u>. All claims relating to or arising out of this Agreement, or the breach thereof, whether sounding in contract, tort, or otherwise, shall also be governed by the laws of the State of Nevada without regard to choice of law considerations.

16. <u>Section or Paragraph Headings</u>. Section headings herein have been inserted for reference only and shall not be deemed to limit or otherwise affect, in any matter, or be deemed to interpret in whole or in part any of the terms or provisions of this Agreement.

(Signature Page Follows)

IN WITNESS WHEREOF the parties hereto have set their hand as of the date first above written.

BORROWER: SIGMA LABS, INC.

B∛

Mark Cola, President and Chief Executive

L 1 CAPITAL GLOBAL OPPORTUNITIES MASTER FUND LTD

By:

7

David Feldman, Managing Director

IN WITNESS WHEREOF the parties hereto have set their hand as of the date first above written.

> BORROWER: SIGMA LABS, INC.

By: Mark Cola, President and Chief Executive Officer

L 1 CAPITAL GLOBAL OPPORTUNITIES MASTER FUND LTD

By:

David Feldman, Managing Director

EXHIBIT A COLLATERAL

This Security Agreement covers all of the following property of Sigma Labs, Inc. ("the Borrower"), whether now or hereafter owned, existing, acquired or arising and wherever now or hereafter located (capitalized terms used herein shall have the meaning ascribed to such term under the Uniform Commercial Code as in effect in the State of Nevada and/or as otherwise set forth herein):

- (a) Any right or interest of the Borrower in or to tangible property of any kind whatsoever, including, but not limited to, cash and fixed assets (the "Physical Collateral").
- (b) Accounts receivable.
- (c) Each United States Patent listed on <u>Schedule A-1</u> hereto (the "Patent Collateral").
- (d) All warranties, increases, parts, renewals, additions and accessions to, substitutions for, and replacements, products and Proceeds of the foregoing property, and all of the Borrower's books and records relating to any of the foregoing.
- (e) All Proceeds received, directly or indirectly, by the Borrower from the Patent Collateral.

Proceeds shall mean and include all proceeds of, and all other profits, products, rents or receipts, in whatever form, arising from the collection, sale, lease, exchange, assignment, licensing or other disposition of, or other realization upon collateral, including, without limitation, all licenses, permits, authorizations and applications, all claims of the Borrower against third parties for loss of, damage to or destruction of, or for proceeds payable under, or unearned premiums with respect to, policies of insurance in respect of, any collateral, and any condemnation or requisition payments with respect to any collateral, in each case whether now existing or hereafter arising.

Schedule A-1

Patent Collateral

See attached

Schedule A-1

Patents & Patents Pending

Row Count: 10 The Number Country C P Family Number S Vorking Attorney(S) N	Clean Tile SRef No	Inventors	App No Filing Date	Pat No P Issue u Date b	St	Status & Remarks		
098581-0956161/DE	METHOD AND SYSTEM FOR	Vivek R. Dave	10 2015 011	DE		Published		
	MONITORING ADDITIVE MANUFACTURING PROCESSES	R. Bruce Madigan	013.6 8/21/15	1020 13	1020150110 13 Er	End of Opposition period for EP Patent, Holds	tent, Holde	Onen · Dockat Heme
CLargent, BWigger		Mark J. Cola Martin		A1 2/25/16		2598313 Request Examination	4/12/10 8/21/22	Open: Docket Items
		S. Piltch						
098581-0957862/WO	OPTICAL MANUFACTURING PROCESS SENSING AND STATUS INDICATION	Vivek R. Dave	PCT/US2015/02 3/25/15	2539 WO 2018	WO Pu 2015/14870	Published		
002410PC CLargent,	SYSTEM	Mark J. Cola		2 10/1/15		Communication In Cases for Which no 9/14/15	^{no} 9/14/15	Completed
BWigger		Bruce Madigan		į		Notification of the Recording of a Change 9/14/15	hange 9/14/15	Completed
		Martin S. Piltch			<u>a ö</u>	Communication In Cases for Which no 10/23/15 Other Form is Applicable	^{no} 10/23/15	Completed
		Alberto Castro			<u>ع</u> ا	Published International Search Report	ort 11/19/15	Completed
					ົດຍ	(Ch1 or Ch2)	9/26/16	Open: Docket Items
					<u>റ</u> ട	31 Month National Phase Application 10/26/16 (Ch1 or Ch2)	n 10/26/16	Open: Docket Items
098581-0954115/US	METHOD AND SYSTEM FOR	Vivek R. Dave	14/832,691 8/21/15	US-2	ő	Published		
002610US CLargent,	MANUFACTURING PROCESSES	R. Bruce Madigan		A1		Missing Parts Response	11/4/15	Completed
BWigger		Mark J. Cola Martin		0,30,10				
		S. Piltch						
098581-0958802/US	FEATURE EXTRACTION METHOD AND	Vivek R. Dave	14/870,914 9/30/15	US-2016 098825-	-0 -0	Published		
002710US	MANUFACTURING	David D. Clark		A1/7/16		Missing Parts Response	12/16/15	Completed
BWigger, CLargent		Matias Roybal		4		Preliminary Amendment Filed	12/16/15	Completed
		Mark J. Cola						
098581-0965027/WO	MULTI-SENSOR QUALITY INFERENCE	Vivek R. Dave	PCT/US2015/06	1420 WO		Published		
002810PC	AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES	David D Clark	11/18/15	1	5165	Foreign/Counterpart Filing	11/18/15	Completed
BWigger, CLargent		Matias Roybal		5/26/16		Formal Drawings 30 Month National Phase Applicatio		Completed
		Mark I Cola			6	(Ch1 or Ch2)		Open: Docket Items
		Markin C Dittol			<u>63</u>	31 Month National Phase Application (Ch1 or Ch2)	n 6/18/17	Open: Docket Items
		Martin S. Filton						
		Bruce Madigan						
		Alberto Castro						

REEL: 040085 FRAME: 0643

Matias Roybal Mark J. Cola Mark J. Cola Martin S. Pilich R. Bruce Madigan Alberto Castro Mark J. Cola Mark J. Cola Mark J. Cola SYSTEMS AND METHODOLOGY AND METHODOLOGY AND METHODOLOGY SYSTEMS AND METHODOLOGY ADDITIVE MANUFACTURING OPERATIONS OPERATIONS COPERATIONS Mark J. Cola Madigan Matias Nark J. Cola Madigan Matias Nark J. Cola Madigan Matias Mark J. Cola Mark J. Cola Madigan Matias Mark J. Cola	MULTI-SENSOR QUALITY INFERENCE Vivek R. Dave AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES David D Clark
Matias Ro Mark J. Co Mark J. Co Mark J. Co Alberto Ca Vivek R. D Vivek R. D Mark J. Co Mark J. Co Nos FOR DS FOR JRING	S
Marias Ro Mark J. Co Mark J. Co Mark J. Co Alberto Ca Vivek R. D Vivek R. D Mark J. Co Mark J. Co Nos FOR DS FOR JRING FF-AXIS	S
latias Ro lark J. Co lartin S. F I. Bruce N Iberto Co Ivek R. D Ivek R. D	Vivek R. Dave David D Clark
R. Dave R. Dave J. Cola J. Cola J. Cola J. Cola	
	14/945,2 11/18/15
PCT/US2016/01 1/13/16 14/995,183 1/13/16 62/235,232 9/30/15 3/21/16	14/945,247 11/18/15
WO 2016/11528 Publisht 2016/11528 Foreign 7/21/16 Chapter 30 Monti (Ch1 or 31 Monti (Ch1 or 31 Monti (Ch1 or 7/14/16	US-2016-0 185048- A1 6/30/16
Published Foreign/Cour Chapter 1 Re countries 31 Month Nat 31 Month Nat 31 Month Nat Ch1 or Ch2 91 Pr Pr Pr Pr Pr Pr Pr Pr Pr Pr	Published Missing Pa
ed CCounterpart 1 Reminder s) h National PP ch2) Published Preliminar Pending Foreign/C	Published Missing Parts Response
Published Foreign/Counterpart Filing 1/13/16 Chapter 1 Reminder (non 30 month Chg/13/16 countries) 30 Month National Phase Application 7/13/17 (Ch1 or Ch2) (Ch1 or Ch2) Published Preliminary Amendment Due Pending Foreign/Counterpart Filing Foreign/Counterpart Filing	sponse
erpart Fi	
1/13/16 1/13/16 on 7/13/17 on 7/13/17 t Due	2/4/16
	ดี
9/30/16 9/321/17	õ
Open: Docket Items Open: Docket Items Open: Docket Items Open Copen	Completed
Open: Docket Items Open: Docket Items PATENT	

and all reissues, continuations, divisions, continuations-in-part, renewals, improvements or extensions thereof.

H:\10796\Sigma Labs\Agreements\Final Documents\Security Agreement-Final - 10-17-16.docx