

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT4969174

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID S. HALL	04/13/2018
RAYMOND LIOU	04/06/2018
OREN MILGROME	04/06/2018
MARIUS PAUL DUMITREAN	05/15/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VELODYNE LIDAR, INC.
<b>Street Address:</b>	345 DIGITAL DRIVE
<b>City:</b>	MORGAN HILL
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95037
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15941302
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	6503070332
<b>Email:</b>	isabelle@spanolawgroup.com
<b>Correspondent Name:</b>	JOSEPH S SPANO
<b>Address Line 1:</b>	851 BURLWAY ROAD, SUITE 407
<b>Address Line 4:</b>	BURLINGAME, CALIFORNIA 94010
<b>ATTORNEY DOCKET NUMBER:</b>	VEL-011
<b>NAME OF SUBMITTER:</b>	JOSEPH S. SPANO
<b>SIGNATURE:</b>	/Joseph S. Spano/
<b>DATE SIGNED:</b>	05/18/2018
<b>Total Attachments: 5</b>	
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**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, we, David S. Hall, 4111 Higuera Road, San Jose, California 95148; Raymond Liou, 22407 Stevens Creek Boulevard, Cupertino, California, 95014; Oren Milgrome, 1908 Carquinez Avenue, Richmond, California 94805; Marius Paul Dumitrean 4539 Crocus Drive, San Jose, California 95136; (hereinafter referred to as ASSIGNORS), having post office address that follow our names, are the joint inventors of the invention described and claimed in the specification forming part of the United States provisional patent application entitled "Integrated LIDAR Illumination Power Control," which was filed on March 30, 2018, and now has U.S. Patent Application Ser. No. 15/941,302;

WHEREAS, Velodyne Lidar, Inc., (hereafter referred to as ASSIGNEE), a corporation organized under the laws of Delaware and having a place of business at 345 Digital Drive, Morgan Hill, California 95037, is desirous of acquiring the entire right, title, and interest in and to the invention and in and to any letters patents that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE, its successors and assigns, the entire right, title, and interest in and to said invention, said application and any and all letters patents which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE, its successors and assigns, and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention, application and all letters patents on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patents on said invention to ASSIGNEE, its successors and assigns. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patents on said invention, for litigation regarding said letters patents, or for the purpose of protecting title to said invention or letters patents therefor.

Assignment of application entitled: "Integrated LIDAR Illumination Power Control"  
Docket Number: VEL-011

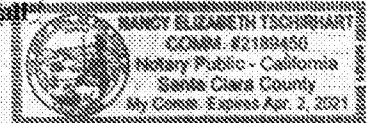
Sole or First Joint Inventor

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

Executed this 13 day of April, 2018.

State of California  
County of Alameda, ss.

Signature of David S. Hall



On 4/13/18 before me, Nancy Elizabeth Tschurhart  
(date) (Notary's Name)

Personally appeared **David S. Hall** who 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/she executed the same in his/her authorized capacity, and that by his/her 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 California that the foregoing paragraph is true and correct.  
WITNESS my hand and official seal.

Nancy Elizabeth Tschurhart  
SIGNATURE OF NOTARY

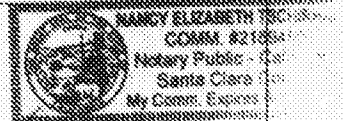
Sole or Second Joint Inventor

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

Executed this 6<sup>th</sup> day of April, 2018.

State of California  
County of Alameda, ss.

Signature of Raymond Liou



On 6<sup>th</sup> of April, 18 before me, Nancy Elizabeth Tschurhart  
(date) (Notary's Name)

Personally appeared **Raymond Liou** who 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/she executed the same in his/her authorized capacity, and that by his/her 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 California that the foregoing paragraph is true and correct.  
WITNESS my hand and official seal.

Nancy Elizabeth Tschurhart  
SIGNATURE OF NOTARY

Assignment of application entitled: "Integrated LIDAR Illumination Power Control"  
Docket Number: VEL-011

Sole or Third Joint Inventor

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Executed this 6<sup>th</sup> day of April, 2018.

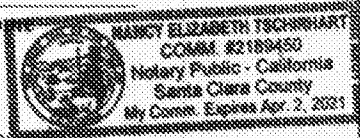
*Oren Milgrom*

Signature of Oren Milgrom

State of California )

County of Alameda ) ss.

On 6<sup>th</sup>/4/18 before me, Nancy Elizabeth Tschirhart,  
(date) (Notary's Name)



Personally appeared **Oren Milgrom** who 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/she executed the same in his/her authorized capacity, and that by his/her 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 California that the foregoing paragraph is true and correct.  
WITNESS my hand and official seal.

*Nancy Elizabeth Tschirhart*  
SIGNATURE OF NOTARY

Sole or Fourth Joint Inventor

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2018.

Signature of Marius Paul Dumitrean

State of \_\_\_\_\_ )

County of \_\_\_\_\_ ) ss.

On \_\_\_\_\_ before me, \_\_\_\_\_  
(date) (Notary's Name)

Personally appeared **Marius Paul Dumitrean** who 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/she executed the same in his/her authorized capacity, and that by his/her 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 California that the foregoing paragraph is true and correct.  
WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Assignment of application entitled: "Integrated LIDAR Illumination Power Control"  
Docket Number: VEL-011

Sole or Third Joint Inventor

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Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2018.

\_\_\_\_\_  
Signature of **Oren Milgrome**

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.

On \_\_\_\_\_ before me, \_\_\_\_\_  
(date) (Notary's Name)

Personally appeared **Oren Milgrome** who 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/she executed the same in his/her authorized capacity, and that by his/her 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 California that the foregoing paragraph is true and correct.  
WITNESS my hand and official seal.

\_\_\_\_\_  
SIGNATURE OF NOTARY

Sole or Fourth Joint Inventor

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

Executed this 15<sup>th</sup> day of May, 2018.

\_\_\_\_\_  
Signature of **Marius Paul Dumitrean**

State of California )  
County of Santa Cruz ) ss.

On 05/15/2018 before me, Zachary L.T. Gentig, Notary Public  
(date) (Notary's Name)

Personally appeared **Marius Paul Dumitrean** who 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/she executed the same in his/her authorized capacity, and that by his/her 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 California that the foregoing paragraph is true and correct.  
WITNESS my hand and official seal.

**NOTARY PUBLIC**  
**SEE ATTACHED**

\_\_\_\_\_  
SIGNATURE OF NOTARY

# CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

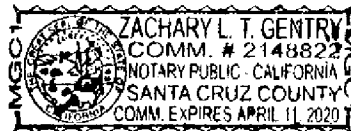
County of Santa Cruz }

On 05/15/2018 before me, Zachary L.T. Gentry, Notary Public,  
(Here insert name and title of the officer)

personally appeared Marius Paul Dumitrescu,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Zachary L. T. Gentry  
Notary Public Signature (Notary Public Seal)

### ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT  
Assignment of Patent  
(Title or description of attached document)

Application  
(Title of description of attached document continued)

Number of Pages 3 Document Date 05/15/2018

### CAPACITY CLAIMED BY THE SIGNER

- Individual (s)  
 Corporate Officer  
\_\_\_\_\_  
(Title)  
 Partner(s)  
 Attorney-in-Fact  
 Trustee(s)  
 Other \_\_\_\_\_

### INSTRUCTIONS FOR COMPLETING THIS FORM

*This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they- is /are ) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - ❖ Indicate title or type of attached document, number of pages and date.
  - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.