

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4922133

<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
	PIETER J. KERSTENS	03/17/2018
	MATHEW NOEL REKOW	04/06/2018
<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>	15420384	
<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-006	
<b>NAME OF SUBMITTER:</b>	JOSEPH S. SPANO	
<b>SIGNATURE:</b>	/Joseph S. Spano/	
<b>DATE SIGNED:</b>	04/18/2018	
<b>Total Attachments: 3</b>		
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source=VEL-006-Assignment-hall-rek-signed#page2.tif		
source=VEL-006-Assignment-hall-rek-signed#page3.tif		



**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, we, David S. Hall, 4111 Higuera Road, San Jose, California 95148; Pieter J. Kerstens, 136 East Main Avenue, Morgan Hill, California 95037; and Mathew Noel Rekow, 357 Lee Street, Santa Cruz, California 95060, (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 patent application entitled "Integrated Illumination And Detection For LIDAR Based 3-D Imaging," which was filed on January 31, 2017, and now has U.S. Patent Application Ser. No. 15/420,384;

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 Illumination And Detection For LIDAR Based 3-D Imaging"  
Docket Number: VEL-006

**Sole or First Joint Inventor**

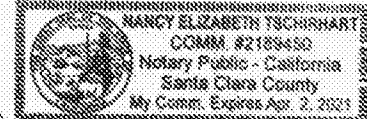
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

Executed this 13 day of April, 2018.

Signature of David S. Hall

State of California  
County of Alameda ss.

On 4/13/18 before me, Nancy Elizabeth Tschirhart  
(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.

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 \_\_\_\_\_ day of \_\_\_\_\_, 2018.

Signature of Pieter J. Kerstens

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

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

Personally appeared **Pieter J. Kerstens** 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 Illumination And Detection For LIDAR Based 3-D Imaging"  
Docket Number: VEL-006

Sole or Third Joint Inventor

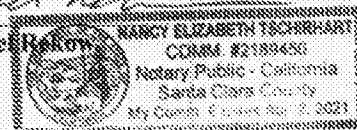
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

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

State of California  
County of Santa Clara ss.

On 4/6/18 before me, Nancy Elizabeth Tschurhart  
(date) (Notary's Name)

Mathew Noel Rekow  
Signature of Mathew Noel Rekow



Personally appeared Mathew Noel Rekow 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