

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6363350

|                                                                                                                                                                                                 |                                                 |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                                  |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                                      |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                                 |                       |
|                                                                                                                                                                                                 | <b>Name</b>                                     | <b>Execution Date</b> |
|                                                                                                                                                                                                 | HESAI PHOTONICS TECHNOLOGY CO., LTD             | 08/27/2020            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                                 |                       |
| <b>Name:</b>                                                                                                                                                                                    | VELODYNE LIDAR, INC.                            |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 5521 HELLYER AVE.                               |                       |
| <b>City:</b>                                                                                                                                                                                    | SAN JOSE                                        |                       |
| <b>State/Country:</b>                                                                                                                                                                           | CALIFORNIA                                      |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 95138                                           |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                                 |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>                            | <b>Number</b>         |
|                                                                                                                                                                                                 | Application Number:                             | 16827182              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                                 |                       |
| <b>Fax Number:</b>                                                                                                                                                                              | (650)853-1038                                   |                       |
| <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>Email:</b>                                                                                                                                                                                   | tfranklin@goodwinlaw.com, patbos@goodwinlaw.com |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | GOODWIN PROCTER LLP                             |                       |
| <b>Address Line 1:</b>                                                                                                                                                                          | 100 NORTHERN AVENUE                             |                       |
| <b>Address Line 2:</b>                                                                                                                                                                          | TAMMY FRANKLIN                                  |                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | BOSTON, MASSACHUSETTS 02210                     |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | VLI-053                                         |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | TAMMY FRANKLIN                                  |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Tammy Franklin/                                |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 10/22/2020                                      |                       |
| <b>Total Attachments: 6</b>                                                                                                                                                                     |                                                 |                       |
| source=VLI Executed Assignment_Hesai to Velodyne for China#page1.tif                                                                                                                            |                                                 |                       |
| source=VLI Executed Assignment_Hesai to Velodyne for China#page2.tif                                                                                                                            |                                                 |                       |
| source=VLI Executed Assignment_Hesai to Velodyne for China#page3.tif                                                                                                                            |                                                 |                       |
| source=VLI Executed Assignment_Hesai to Velodyne for China#page4.tif                                                                                                                            |                                                 |                       |
| source=VLI Executed Assignment_Hesai to Velodyne for China#page5.tif                                                                                                                            |                                                 |                       |
| source=VLI Executed Assignment_Hesai to Velodyne for China#page6.tif                                                                                                                            |                                                 |                       |

## ASSIGNMENT

WHEREAS, Hesai Photonics Technology Co., LTD, a corporation having its principal place of business at 1588 Zhuguang Road, Shanghai, Shanghai, 201702, CN, (hereinafter referred to as Assignor), is the sole and exclusive owner, by assignment, of the Patent Application listed in Schedule A; and

WHEREAS, VELODYNE LIDAR, INC., an organized Corporation having its principal place of business at 5521 Hellyer Ave., San Jose, California 95138 (hereinafter referred to as Assignee), is desirous of acquiring the right, title and interest in, to and under said Patent Application and the invention covered thereby;

NOW, THEREFORE, in consideration of and in exchange for certain good and valuable considerations, receipt of which is hereby acknowledged, the said Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to the said Assignee, the entire right, title and interest for the United States of America and all other countries in and to said applications for all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefore in the United States of America and all other countries on the attached list of *Schedule A*, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on *Schedule A* to said assignee herein, as assignee of the entire interest therein; and the undersigned for itself and its legal representatives, heirs and assigns does hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, continuation-in-part, reissue and other applications for Letters Patent and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said invention listed on *Schedule A* whenever requested, to testify in any interferences or other similar legal proceedings in which said application or patent may become involved, to sign all lawful papers, make all rightful oaths, and do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said invention listed on *Schedule A* in the United States of America and all other countries, the expenses incident to said application listed on *Schedule A* to be borne and paid by said assignee.



By Assignor:  
Hesai Photonics Technology Co., LTD.

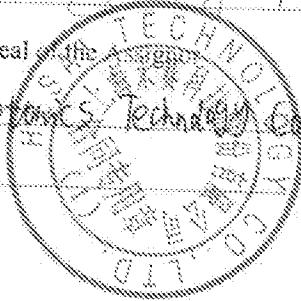
Signature of the Legal  
Representative of the Assignor

*Wei Zhang* Aug 27, 2020

Company Seal of the Assignor

Hesai Photonics Technology Co., LTD

Dated: \_\_\_\_\_



By Assignee:  
Velodyne Lidar, Inc.

Signature of the Legal  
Representative of the Assignee:

\_\_\_\_\_

Dated: \_\_\_\_\_



SCHEDULE A

| Application Number | Filing Date | Title                                                                                        | Country |
|--------------------|-------------|----------------------------------------------------------------------------------------------|---------|
| 16/827,182         | 03/23/2020  | Method Applicable for Lidar to Detect Noisy Pixels and Lidar System                          | US      |
| CN201910322910.4   | 04/22/2019  | Noisy point identifying method capable of being used for laser radar, and laser radar system | CN      |
| PCT/CN2019/085765  | 05/07/2019  | Noisy point identifying method capable of being used for laser radar, and laser radar system | PCT     |
| 201911358732.7     | 04/22/2019  | Noisy point identification method for laser radar and laser radar system                     | CN      |
| 201910353282.6     | 04/28/2019  | Whole beam-focusing method of laser radar and laser radar beam-focusing device               | CN      |
| 201610977997.5     | 11/08/2016  | Vehicle with automatic detection function of transparent barrier and work method thereof     | CN      |
| 201910273697.6     | 04/08/2019  | Laser radar zero calibration method and calibration system                                   | CN      |
| 201810681182.1     | 06/27/2018  | Laser Radar                                                                                  | CN      |
| PCT/CN2019/093266  | 06/27/2019  | Laser Radar                                                                                  | PCT     |

## ASSIGNMENT

**WHEREAS, Hesai Photonics Technology Co., LTD**, a corporation having its principal place of business at 1588 Zhuguang Road, Shanghai, Shanghai, 201702, CN, (hereinafter referred to as Assignor), is the sole and exclusive owner, by assignment, of the Patent Application listed in Schedule A; and

**WHEREAS, VELODYNE LIDAR, INC.**, an organized Corporation having its principal place of business at 5521 Hellyer Ave., San Jose, California 95138 (hereinafter referred to as Assignee), is desirous of acquiring the right, title and interest in, to and under said Patent Application and the invention covered thereby;

**NOW, THEREFORE**, in consideration of and in exchange for the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, the said Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to the said Assignee, the entire right, title and interest for the United States of America and all other countries in and to said applications for all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefore in the United States of America and all other countries on the attached list of *Schedule A*, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on *Schedule A* to said assignee herein, as assignee of the entire interest therein; and the undersigned for itself and its legal representatives, heirs and assigns does hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, continuation-in-part, reissue and other applications for Letters Patent and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said invention listed on *Schedule A* whenever requested, to testify in any interferences or other legal proceedings in which said application or patent may become involved, to sign all lawful papers, make all rightful oaths, and do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said invention listed on *Schedule A* in the United States of America and all other countries, the expenses incident to said application listed on *Schedule A* to be borne and paid by said assignee.

By Assignor:  
Hesai Photonics Technology Co., LTD.

Signature of the Legal  
Representative of the Assignor

\_\_\_\_\_  
Company Seal of the Assignor

Dated: \_\_\_\_\_

By Assignee:  
Velodyne Lidar, Inc.

Signature of the Legal  
Representative of the Assignee:



Michael Vella, General Counsel

Dated: 26 August 2020

**SCHEDULE A**

| <b>Application Number</b> | <b>Filing Date</b> | <b>Title</b>                                                                                 | <b>Country</b> |
|---------------------------|--------------------|----------------------------------------------------------------------------------------------|----------------|
| 16/827,182                | 03/23/2020         | Method Applicable for Lidar to Detect Noisy Pixels and Lidar System                          | US             |
| CN201910322910.4          | 04/22/2019         | Noisy point identifying method capable of being used for laser radar, and laser radar system | CN             |
| PCT/CN2019/085765         | 05/07/2019         | Noisy point identifying method capable of being used for laser radar, and laser radar system | PCT            |
| 201911358732.7            | 04/22/2019         | Noisy point identification method for laser radar and laser radar system                     | CN             |
| 201910353282.6            | 04/28/2019         | Whole beam-focusing method of laser radar and laser radar beam-focusing device               | CN             |
| 201610977997.5            | 11/08/2016         | Vehicle with automatic detection function of transparent barrier and work method thereof     | CN             |
| 201910275697.6            | 04/08/2019         | Laser radar zero calibration method and calibration system                                   | CN             |
| 201810681182.1            | 06/27/2018         | Laser Radar                                                                                  | CN             |
| PCT/CN2019/093266         | 06/27/2019         | Laser Radar                                                                                  | PCT            |