## 506047362 05/06/2020

# PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

### **CONVEYING PARTY DATA**

| Name                          | Execution Date |
|-------------------------------|----------------|
| JESSE HONG                    | 04/28/2020     |
| URS MULLER                    | 05/01/2020     |
| BERNHARD FIRNER               | 05/01/2020     |
| ZONGYU YANG                   | 05/01/2020     |
| JOYJIT DAW                    | 05/02/2020     |
| DAVID NISTER                  | 05/03/2020     |
| ROBERTO GIUSEPPE LUCA VALENTI | 05/05/2020     |
| ROTEM AVIV                    | 05/05/2020     |

## **RECEIVING PARTY DATA**

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## **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16860824 |

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| ATTORNEY DOCKET NUMBER: | 19-SC-0138US02/340370_NP |  |
|-------------------------|--------------------------|--|
| NAME OF SUBMITTER:      | KARLA OLIVAS             |  |
| SIGNATURE:              | /Karla Olivas/           |  |

PATENT 506047362 REEL: 052588 FRAME: 0098

| DATE SIGNED:                                      | 05/06/2020      |
|---|-----------------|
| Total Attachments: 4                              |                 |
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| source=NonProvisional_Assignment_340370#page4.tif |                 |

Attorney Docket No. 19-SC-0138US02/340370

### ASSIGNMENT

WHEREAS, we, Jesse Hong, Urs Muller, Bernhard Firner, Zongyu Yang, Joyjit Daw, David Nister, Roberto Giuseppe Luca Valenti and Rotem Aviv ("ASSIGNORS"), are the original and joint inventors of subject matter disclosed and/or claimed in a nonprovisional patent application, the title of which is:

SIMULATING REALISTIC TEST DATA FROM TRANSFORMED REAL-WORLD SENSOR DATA FOR AUTONOMOUS MACHINE APPLICATIONS

for which we are about to make, or have made, application for Letters Patent of the United States. ASSIGNORS hereby authorize legal representatives of Shook, Hardy & Bacon L.L.P. to insert here in parentheses the Application No. (\_16/860,824\_\_\_\_\_\_\_), and Filing Date (\_2020/04/28\_\_\_\_\_\_), when known; and

WHEREAS, NVIDIA Corporation ("ASSIGNEE"), a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 2788 San Tomas Expressway, Santa Clara, California 95051, USA, is desirous of acquiring an interest in, to and under said invention, said application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right, title and interest, throughout the world, in, to and under said invention as fully set forth and described in the above-identified application; in, to and under said application; in, to and under any and all refilings, divisions and continuations of said application; in, to and under any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions and continuations; in, to and under any and

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Assignment SIMULATING REALISTIC TEST DATA FROM TRANSFORMED REAL-WORLD SENSOR DATA FOR

**AUTONOMOUS MACHINE APPLICATIONS** 

all reissues of said Letters Patent of the United States of America; in, to and under any and all

applications for Letters Patent upon said invention which may hereafter be filed in any and all

countries foreign to the United States of America; in, to and under any and all refilings, divisions

and continuations of said foreign-filed applications; in, to and under any and all Letters Patent of

countries foreign to the United States of America, which may issue from the said foreign-filed

applications, refilings, divisions and continuations; and in, to and under any and all extensions of,

and additions to, said Letters Patent of countries foreign to the United States of America, the same

to be held and enjoyed by said ASSIGNEE, for its own use and behoof, and for its successors,

legal representatives and assigns, to the full end of the term for which said Letters Patent may be

granted, and ASSIGNORS do hereby authorize and request the Commissioner of Patents to issue

the said Letters Patent in accordance with this assignment.

ASSIGNORS hereby further agree that we will communicate to ASSIGNEE, or to its

successors, assigns, and legal representatives, any facts known to me respecting said invention,

and at the expense of said assignee company, testify in any legal proceedings, sign all lawful

papers, execute all divisional, continuation, reissue and substitute applications, make all lawful

oaths, and generally do everything possible to aid ASSIGNEE, its successors, assigns and

nominees to obtain and enforce proper patent protection for said invention in all countries.

EXECUTED this Apr 28, 2020 day of Apr 28, 2020, 2020.

Jesse Hong

| EXECUTED this May 1, 2020 | day of May 1, 2020 <sub>, 2020.</sub>                                      |
|---------------------------|--|
|                           | Urs Muller Urs Muller May 1, 2020  |
|                           | Urs Muller   |
| EXECUTED this May 1, 2020 | day of May 1, 2020, 2020.  Bernhard Firner Bernhard Firner Bernhard Firner |
| EXECUTED this May 1, 2020 | •  |
| EXECUTED this May 2, 2020 | Zongyu Yang  day of May 2, 2020, 2020.  Joyjit Daw  Joyjit Daw             |
| EXECUTED this May 3, 2020 | day of May 3, 2020,  David Nister (May 3, 2020)  David Nister              |
| EXECUTED this May 5, 2020 | day of May 5, 2020, 2020.  Roberto Giuseppe Luca Valenti                   |

Assignment
SIMULATING REALISTIC TEST DATA FROM
TRANSFORMED REAL-WORLD SENSOR DATA FOR
AUTONOMOUS MACHINE APPLICATIONS

RECORDED: 05/06/2020

Attorney Docket No. 19-SC-0138US02/340370

| EXECUTED this | May 5, 2020 day of May 5, 2020, 2020.  |
|---------------|--|
|               | Rotem Aviv<br>Rotem Aviv (May S, 2028) |
|               | Rotem Aviv                             |