

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YILIN YANG	03/25/2020
BALA SIVA SASHANK JUJJAVARAPU	06/10/2020
ZHAOTING YE	06/09/2020
SANGMIN OH	06/09/2020
MINWOO PARK	06/09/2020
DAVID NISTER	06/10/2020
JUNGHYUN KWON	03/23/2020
RECEIVING PARTY DATA	
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City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95051
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18337854
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ATTORNEY DOCKET NUMBER:	83437-1506/18-SC-0338US08
NAME OF SUBMITTER:	AARON T. CUNNINGHAM
SIGNATURE:	/Aaron T. Cunningham/
DATE SIGNED:	06/22/2023

Total Attachments: 9

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ASSIGNMENT

WHEREAS, we, Yilin Yang, Bala Siva Sashank Jujjavarapu, Zhaoting Ye, Sangmin Oh, Minwoo Park and David Nister (“ASSIGNORS”), are the original and joint inventors of subject matter disclosed and/or claimed in a nonprovisional patent application, the title of which is:

DISTANCE ESTIMATION TO OBJECTS AND FREE-SPACE BOUNDARIES IN AUTONOMOUS MACHINE APPLICATIONS

which was filed on June 20, 2023 and given application No. 18/337,854; 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 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 25th day of March, 2020.

Yilin Yang
Yilin Yang (Mar 25, 2020)

Yilin Yang

EXECUTED this _____ day of _____, 2020.

Bala Siva Sashank Jujjavarapu


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.

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EXECUTED this _____ day of _____, 2020.

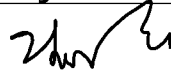
Yilin Yang

EXECUTED this 10 day of June, 2020.



Bala Siva Sashank Jujjavarapu

EXECUTED this 9 day of June, 2020.



Zhaoting Ye

EXECUTED this _____ day of _____, 2020.

Sangmin Oh

EXECUTED this _____ day of _____, 2020.

Minwoo Park


EXECUTED this _____ day of _____, 2020.

David Nister

EXECUTED this _____ day of _____, 2020.

Zhaoting Ye

EXECUTED this 9 day of June, 2020.



Sangmin Oh

EXECUTED this _____ day of _____, 2020.

Minwoo Park

EXECUTED this _____ day of _____, 2020.

David Nister


EXECUTED this _____ day of _____, 2020.

Zhaoting Ye

EXECUTED this _____ day of _____, 2020.

Sangmin Oh

EXECUTED this 9th day of June, 2020.



Minwoo Park

EXECUTED this _____ day of _____, 2020.

David Nister

EXECUTED this _____ day of _____, 2020.

Zhaoting Ye

EXECUTED this _____ day of _____, 2020.

Sangmin Oh

EXECUTED this _____ day of _____, 2020.

Minwoo Park

EXECUTED this **10th** day of **June**, 2020.

David Nister

David Nister (Jun 10, 2020 17:35 PDT)

David Nister

ASSIGNMENT

WHEREAS, we, Junghyun Kwon (“ASSIGNORS”), are the original and joint inventors of subject matter disclosed and/or claimed in a nonprovisional patent application, the title of which is:

DISTANCE ESTIMATION TO OBJECTS AND FREE-SPACE BOUNDARIES IN AUTONOMOUS MACHINE APPLICATIONS

which was filed on June 20, 2023 and given application No. 18/337,854; and

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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 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.

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EXECUTED this 23rd day of March, 2020.

Junghyun Kwon
Junghyun Kwon (Mar 23, 2020)

Junghyun Kwon