# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1                                      EPAS ID: PAT5998578
Stylesheet Version v1.2

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

**CONVEYING PARTY DATA**

| Name | Execution Date |
|---|---|
| FAUSTO MILLETARI | 11/06/2019 |
| MAXIMILIAN BAUST | 12/07/2019 |
| NICOLA RIEKE | 11/05/2019 |
| WENQI LI | 11/05/2019 |
| DAGUANG XU | 11/04/2019 |
| ANDREW FENG | 11/05/2019 |
| RONG OU | 11/04/2019 |
| YAN CHENG | 11/05/2019 |

**RECEIVING PARTY DATA**

| | |
|---|---|
| Name: | NVIDIA CORPORATION |
| Street Address: | 2788 SAN TOMAS EXPRESSWAY |
| City: | SANTA CLARA |
| State/Country: | CALIFORNIA |
| Postal Code: | 95051 |

**PROPERTY NUMBERS Total: 1**

| Property Type | Number |
|---|---|
| Application Number: | 16671001 |

**CORRESPONDENCE DATA**

**Fax Number:**          (816)421-5547

*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.*

**Phone:**               8164746550
**Email:**               kbrunton@shb.com
**Correspondent Name:**  SHOOK, HARDY & BACON L.L.P.
**Address Line 1:**      2555 GRAND BOULEVARD
**Address Line 2:**      INTELLECTUAL PROPERTY DEPARTMENT
**Address Line 4:**      KANSAS CITY, MISSOURI 64108

| ATTORNEY DOCKET NUMBER: | 41651.330707 |
|---|---|
| NAME OF SUBMITTER: | JEFFREY R. SCHNAYER |
| SIGNATURE: | /JEFFREY R. SCHNAYER/ |

| DATE SIGNED: | 03/05/2020 |
|---|---|

**Total Attachments: 9**
source=Fully Executed Assignment#page1.tif
source=Fully Executed Assignment#page2.tif
source=Fully Executed Assignment#page3.tif
source=Fully Executed Assignment#page4.tif
source=Fully Executed Assignment#page5.tif
source=Fully Executed Assignment#page6.tif
source=Fully Executed Assignment#page7.tif
source=Fully Executed Assignment#page8.tif
source=Fully Executed Assignment#page9.tif

## ASSIGNMENT

WHEREAS, we, Fausto Milletari, Maximilian Baust, Nicola Rieke, Wenqi Li, Daguang Xu, Andrew Feng, Rong Ou and Yan Cheng, are the original and joint inventors of subject matter disclosed and/or claimed in a nonprovisional patent application, the title of which is:

**PROCESSOR AND SYSTEM TO TRAIN MACHINE LEARNING MODELS BASED ON COMPARING ACCURACY OF MODEL PARAMETERS**

which was filed on October 31, 2019 and given application No. 16/671,001; 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 _____6th_____ day of _____November_____ 2019.

_____
Fausto Milletari

EXECUTED this _____ day of _____, 2019.

_____
Maximilian Baust

4847-1942-4679

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 _____ day of _____, 2019.

_____
Fausto Milletari

EXECUTED this ___7___ day of _____ 2019.

_____
Maximilian Baust

4847-1942-4679

EXECUTED this _____Sth_____ day of ___November___, 2019.

_____
Nicola Rieke

EXECUTED this _____ day of _____, 2019.

_____
Wenqi Li

EXECUTED this _____ day of _____, 2019.

_____
Daguang Xu

EXECUTED this _____ day of _____, 2019.

_____
Andrew Feng

EXECUTED this _____ day of _____, 2019.

_____
Rong Ou

EXECUTED this _____ day of _____, 2019.

_____
Yan Cheng

4847-1942-4679

EXECUTED this _____ day of _____, 2019.

_____
Nicola Rieke

EXECUTED this *fifth* day of *November*, 2019.

_____
Wenqi Li

EXECUTED this _____ day of _____, 2019.

_____
Daguang Xu

EXECUTED this _____ day of _____, 2019.

_____
Andrew Feng

EXECUTED this _____ day of _____, 2019.

_____
Rong Ou

EXECUTED this _____ day of _____, 2019.

_____
Yan Cheng

EXECUTED this _____ day of _____, 2019.

_____
Nicola Rieke

EXECUTED this _____ day of _____, 2019.

_____
Wenqi Li

EXECUTED this _____4_____ day of ___November___, 2019.

_____
Daguang Xu

EXECUTED this _____ day of _____, 2019.

_____
Andrew Feng

EXECUTED this _____ day of _____, 2019.

_____
Rong Ou

EXECUTED this _____ day of _____, 2019.

_____
Yan Cheng

4847-1942-4679

PROCESSOR AND SYSTEM TO TRAIN MACHINE
LEARNING MODELS BASED ON COMPARING ACCURACY
OF MODEL PARAMETERS

EXECUTED this _____ day of _____, 2019.

_____
Nicola Rieke

EXECUTED this _____ day of _____, 2019.

_____
Wenqi Li

EXECUTED this _____ day of _____, 2019.

_____
Daguang Xu

EXECUTED this _____5th_____ day of ___November___, 2019.

_____
Andrew Feng

EXECUTED this _____ day of _____, 2019.

_____
Rong Ou

EXECUTED this _____ day of _____, 2019.

_____
Yan Cheng

EXECUTED this _____ day of _____, 2019.

_____
Nicola Rieke

EXECUTED this _____ day of _____, 2019.
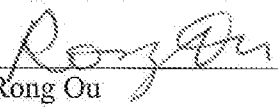
_____
Wenqi Li

EXECUTED this _____ day of _____, 2019.

_____
Daguang Xu

EXECUTED this _____ day of _____, 2019.

_____
Andrew Feng

EXECUTED this _4th_ day of _November_, 2019.

_____
Rong Ou

EXECUTED this _____ day of _____, 2019.

_____
Yan Cheng

EXECUTED this _____ day of _____, 2019.

_____
Nicola Rieke

EXECUTED this _____ day of _____, 2019.

_____
Wenqi Li

EXECUTED this _____ day of _____, 2019.

_____
Daguang Xu

EXECUTED this _____ day of _____, 2019.

_____
Andrew Feng

EXECUTED this _____ day of _____, 2019.

_____
Rong Ou

EXECUTED this ___5___ day of ___Nov.___, 2019.

_____
Yan Cheng