### 506935720 10/21/2021

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6982558

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JONATHAN TREMBLAY	01/23/2019
AAYUSH PRAKASH	01/21/2019
MARK A. BROPHY	01/21/2019
VARUN JAMPANI	01/20/2019
CEM ANIL	01/20/2019
STANELY THOMAS BIRCHFIELD	01/18/2019
THANG HONG TO	01/22/2019
DAVID JESUS ACUNA MARRERO	01/21/2019

#### **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:	17507620

#### **CORRESPONDENCE DATA**

**Fax Number:** (312)616-5700

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: CHICAGO, ILLINOIS 60601

ATTORNEY DOCKET NUMBER:	513606/17-BL-0293-US07	
NAME OF SUBMITTER:	STEPHANIE L. WINNER	
SIGNATURE:	/Stephanie L. Winner/	

PATENT 506935720 REEL: 057870 FRAME: 0752

DATE SIGNED:	10/21/2021
Total Attachments: 8	
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source=Signed-Declarations-Assignment_17-BL-0293US07#page8.tif	

PATENT REEL: 057870 FRAME: 0753

Title of Invention: GENERATION OF SYNTHETIC IMAGES FOR TRAINING A NEURAL NETWORK MODEL

As a below named and undersigned inventor, I hereby declare that:			
This declaration is directed to the attached application, or (if following bo	x is checked):		
United States application or PCT international application number	16/256,820	_ , filed on	1/24/2019
The above-identified application was made or authorized to be made by m	e.		
I believe that I am the original inventor or an original joint inventor of a c	aimed invention in the	application.	
I hereby state that I have reviewed and understand the contents of the above	e-identified application	, including th	e claims.
I acknowledge the duty to disclose information which is material to the pa CFR § 1.56.	tentability of this applic	eation in accor	dance with Title 37,
Whereas, I the undersigned inventor have invented certain new and useful application and further identified by the Attorney Docket Number provide			
For good and valuable consideration, the receipt and sufficiency of which	is hereby acknowledge	i, I the unders	igned inventor hereby
1) Sell, assign and transfer to <u>NVIDIA Corporation</u> , a Delaware Corporation, 2788 San Tomas Expressway, Santa Clara, California 95051 title and interest in any and all improvements and inventions disclosed in, patents) granted upon the information which is disclosed in the above reference.	, (hereinafter referred to application(s) based up	as "ASSIGN	EE"), the entire right,
2) Authorize and request the Commissioner of Patents to issue any and a division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASS		ing from said	application or any
3) Agree to execute all papers and documents and, entirely at the ASSIC necessary in connection with the prosecution of said application, as well a applications based thereon, and/or the enforcement of patents resulting from	s any derivative and app		
4) Agree that the terms, covenants and conditions of this assignment sha and other legal representative, and shall be binding upon the inventor(s), a assigns.			
5) Warrant and represent that I have not entered, and will not enter into with this assignment.	any assignment, contrac	t, or understar	nding that conflicts
I hereby acknowledge that any willful false statement made in this declaration imprisonment of not more than five (5) years, or both.	tion is punishable unde	r 18 U.S.C. 10	001 by fine or
Signed on the date indicated beside my signature.			
Legal Name of Inventor: Nonathan Tremblay			
Signature:	Date:	23/01/	/2019

PATENT REEL: 057870 FRAME: 0754

Title of Invention: GENERA	TION OF SYNTHETIC IMAGES FOR I	FRAINING A NEURA	L NETWORK MODEL	4
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☑ United States applicati	ion or PCT international application number	16/256,820	, filed on	)
The above-identified applicati	on was made or authorized to be made by m	e,		
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I hereby state that I have revie	wed and understand the contents of the above	re-identified application,	including the claims.	
I acknowledge the duty to disc CFR § 1.56.	close information which is material to the pat	tentability of this applica	tion in accordance with	Γitle 37,
	ventor have invented certain new and useful ied by the Attorney Docket Number provided			patent _
For good and valuable conside	eration, the receipt and sufficiency of which i	is hereby acknowledged	I the undersigned invent	or hereby
Corporation, 2788 San Tomas title and interest in any and all	NVIDIA Corporation, a Delaware Corporation, Expressway, Santa Clara, California 95051, improvements and inventions disclosed in, a rmation which is disclosed in the above refer	(hereinafter referred to application(s) based upo	as "ASSIGNEE"), the en	
	Commissioner of Patents to issue any and albstitutes(s) or reissue(s) thereof to the ASSI		ng from said application o	or any
necessary in connection with t	rs and documents and, entirely at the ASSIG. he prosecution of said application, as well as d/or the enforcement of patents resulting from	any derivative and appl		nably
	enants and conditions of this assignment shall and shall be binding upon the inventor(s), as			
5) Warrant and represent tha with this assignment.	t I have not entered, and will not enter into a	ny assignment, contract,	or understanding that co	nflicts
I hereby acknowledge that any imprisonment of not more than	willful false statement made in this declarat i five (5) years, or both.	ion is punishable under	18 U.S.C. 1001 by fine or	r
Signed on the date indicated be	eside my signature.			
Legal Name of Inventor:	Aayush Prakash			
Signatura	Aveakerh.	75-4	21/01/2019	9

Title of Invention: GENERATION OF SYNTHETIC IMAGES FOR TRAINING A NEURAL NETWORK MODEL

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Vinited States application or PCT international application number 16/256,820

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- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signed on the date indicated beside my signature.

Legal Name of Inventor: Mark A. Brophy

Signature

Date: Jan 21, 2019

Title of Invention: GENERATION OF SYNTHETIC IMAGES FOR TRAINING A NEURAL NETWORK MODEL

As a below named and undersigned inventor, I hereby declare that:

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I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.			
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Signed on the date indicated beside my signature.			
Legal Name of Inventor: Varun Jampani			
Signature:			

Tide of Invention: GENERATION OF SYNTHETIC IMAGES FOR TRAINING A NEURAL NETWORK MODEL As a below named and undersigned inventor, I hereby declare that: This declaration is directed to the attached application, or (if following box is checked): United States application or PCT international application number 16/256,820 , filed on 1/24/2019  $\mathbf{X}^{i}$ The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, CPR § 1.56. Whereas, I the undersigned inventor have invented certain new and useful improvements as set forth in the above-identified patent application and further identified by the Attorney Docket Number provided above in the header of this document. For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged. I the undersigned inventor hereby: 1) Sell, assign and transfer to NVIDIA Corporation, a Delaware Corporation having a place of business at c/o NVIDIA Corporation, 2788 San Tomas Expressway, Santa Clara, California 95051. (hereinafter referred to as "ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application. 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE. 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications. 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns. Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. Signed on the date indicated beside my signature, Legal Name of Inventor: Cem Anii Date: Janvary 20, 2019 Signature:

Dona t of i

Title of Invention: GENERATION OF SYNTHETIC IMAGES FOR TRAINING A NEURAL NETWORK MODEL As a below named and undersigned inventor, I hereby declare that: This declaration is directed to the attached application, or (if following box is checked): United States application or PCT international application number 16/256,820  $\mathbf{x}$ , filed on 1/24/2019 The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, CFR § 1.56. Whereas, I the undersigned inventor have invented certain new and useful improvements as set forth in the above-identified patent application and further identified by the Attorney Docket Number provided above in the header of this document. For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I the undersigned inventor hereby: 1) Sell, assign and transfer to NVIDIA Corporation, a Delaware Corporation having a place of business at c/o NVIDIA Corporation, 2788 San Tomas Expressway, Santa Clara, California 95051, (hereinafter referred to as "ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application. 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE. 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications. 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns. Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. Signed on the date indicated beside my signature. Legal Name of Inventor: Stanley Thomas Birchfield

Title of Invention: GENERATION OF SYNTHETIC IMAGES FOR TRAINING A NEURAL NETWORK MODEL

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Signed on the date indicated beside my signature.

Legal Name of Inventor. Thang Hong To.

Signature:

Date <u>01/221/201</u>9

Page 1 of 1

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Signed on the date indicated beside my signature.

**RECORDED: 10/21/2021** 

Signature: David Jesus Acuna Marrero

Date: 5au 21st 2019.

Page 1 of 1