PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 Assignment ID: PATI335068

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Gregory MUTHLER	10/04/2022
John BURGESS	10/03/2022
Magnus ANDERSSON	10/05/2022
lan KWONG	10/05/2022
Edward BIDDULPH	12/01/2022

RECEIVING PARTY DATA

Company 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:	17946201

CORRESPONDENCE DATA

Fax Number: 7038164100

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: 7038164000

Email: ptomail@nixonvan.com
Correspondent Name: Ishan P. Weerakoon
Address Line 1: Nixon & Vanderhye, PC

Address Line 2: 901 North Glebe Road, 11th Floor

Address Line 4: Alrington, VIRGINIA 22203

ATTORNEY DOCKET NUMBER:	IPW-6610-0139
NAME OF SUBMITTER:	Kimberly O'Brien
SIGNATURE:	Kimberly O'Brien
DATE SIGNED:	07/01/2024

Total Attachments: 5

PATENT REEL: 067886 FRAME: 0078

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source=6610-0139_Assignment#page5.tiff

PATENT REEL: 067886 FRAME: 0079 Doc code: Oath

Document Description: Oath or declaration filed

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!	First Named Inventor	Gregory MUTHLER, et al.
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILIT USING AN APPLICATION DATA		
Declaration Submitted With Initial Filing	1 Onle (or on,	
OR		
Declaration Submitted After Initial Filing (surcharge (37 C.F.R.	§ 1.16(f)) required)	
METHODS FOR AVOIDING EXCESSIVE FALSE POSITIV VOLUME HIERA		ROUGH A BOUNDING
(Title of the Inven	ntion)	
As a below named inventor, I hereby declare that:		
This declaration is directed to: ☐ the attached application, or ☑ United States Application Number 17/946,201 filed September ☐ PCT International application number filed on .	er 16, 2022, or	
The above-identified application was made or authorized to be made by m	ne.	
I believe I am the original inventor or an original joint inventor of a claimed		
I hereby acknowledge that any willful false statement made in this declarate by fine or imprisonment of not more than five (5) years, or both.		
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an inve	ention in the Application iden	tified above.
WHEREAS, NVIDIA Corporation (hereinafter ASSIGNEE), an entity, have Expressway, Santa Clara, CA 95051, is desirous of acquiring an interest to		usiness at 2788 San Tomas
	therein; d sufficiency of which are her successors, assigns, and leg in countries, in and to the involutions based thereon incatents, together with the right ention Relating to Patents, Diadheres, and the ASSIGNO at to ASSIGNEE, for its interestignees.	reby acknowledged, the said gal representatives, ASSIGNOR'S rention as described in the cluding any and all continuations, tof priority under the International lesigns and Industrial Models, and DR hereby authorizes and requests est as ASSIGNEE, its successors,
Expressway, Santa Clara, CA 95051, is desirous of acquiring an interest the NOW, THEREFORE, for good and valuable consideration, the receipt and ASSIGNORS hereby assigns and transfers unto the said ASSIGNEE, its sentire right, title and interest in the United States of America and all foreign aforesaid application, and to the said application and to all subsequent applications, reissues, and substitutes of said application, and all resulting parallel Convention for the Protection of Industrial Property, Inter-American Convention of the Protection of Industrial Property, Inter-American Convention Convention for the Protection of Industrial Property, Inter-American Convention Convention of Patents and Trademarks to issue said Letters Patent assigns, and legal representatives. It is understood and agreed that ASSI	therein; d sufficiency of which are her successors, assigns, and leg in countries, in and to the involutions based thereon incatents, together with the right ention Relating to Patents, Do adheres, and the ASSIGNO at to ASSIGNEE, for its interestignees attorneys Nixon & Vect to this invention; ASSIGNEE, its successors,	reby acknowledged, the said gal representatives, ASSIGNOR'S rention as described in the cluding any and all continuations, tof priority under the International resigns and Industrial Models, and DR hereby authorizes and requests est as ASSIGNEE, its successors, Vanderhye P.C. have represented assigns, and legal
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PATENT REEL: 067886 FRAME: 0080

Doc code: Oath	
Document Description: Oath or declaration filed	Allomey Docket Number IPW-6810-0139
	First Named Inventor Gregory MUTHLER, et al.
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILIT	TY OR DESIGN PATENT APPLICATION (37 CFR 1.63)
USING AN APPLICATION DATA Declaration Submitted With Initial Filing OR	A SMEET (37 CFR 1.78)
Declaration Submitted After Initial Filing (surcharge (37 C.F.R	: § 1.16(f)) required)
METHODS FOR AVOIDING EXCESSIVE FALSE POSITIF	· ·
(Title of the Inve.	ntion)
As a below named inventor, I hereby declare that:	
This declaration is directed to: the attached application, or United States Application Number 17/946,201 filed September PCT International application number filed on	er 16, 2022, or
The above-identified application was made or authorized to be made by t	
I believe I am the original inventor or an original joint inventor of a claimer	
I hereby acknowledge that any willful false statement made in this declaraby fine or imprisonment of not more than five (5) years, or both.	ation is punishable under 18 U.S.C. 1001
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an inve	• •
WHEREAS, NVIDIA Corporation (hereinafter ASSIGNEE), an entity, ha Expressway, Santa Clara, CA 95051, is desirous of acquiring an interest	ving an office and place of business at 2788 San Tomas therein;
NOW, THEREFORE, for good and valuable consideration, the receipt an ASSIGNORS hereby assigns and transfers unto the said ASSIGNEE, its entire right, title and interest in the United States of America and all foreig aforesaid application, and to the said application and to all subsequent at divisions, reissues, and substitutes of said application, and all resulting proportion for the Protection of Industrial Property, Inter-American Convention for Industrial Property,	successors, assigns, and legal representatives, ASSIGNOR'S in countries, in and to the invention as described in the oplications based thereon including any and all continuations, atents, together with the right of priority under the International ention Relating to Patents, Designs and Industrial Models, and adheres, and the ASSIGNOR hereby authorizes and requests it to ASSIGNEE, for its interest as ASSIGNEE, its successors, IGNEE'S attorneys Nixon & Vanderhye P.C. have represented
ASSIGNOR hereby agrees to transfer a like interest upon request of said representatives, and without further remuneration, in and to any improver of or related to the said invention;	ASSIGNEE, its successors, assigns, and legal nents, and applications for patents based thereon, growing out
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its suctoo ASSIGNEE'S full protection and title in and to the invention hereby trans	cessors, assigns, and legal representatives, deemed essential insterred; and
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without furt ASSIGNEE, for the filing and granting of foreign applications and the perf	her remuneration, to execute any and all papers desired by ecting of title thereto in ASSIGNEE.
AGREED and executed as noted below:	
Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surnam	A)
John BURGESS	ಪ)

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

Date:

Inventor's Signature:

Oct 3,2022

Boc code: Oath Decument Description: Oath or declaration filed		
population prescribions. And or additional trans-	Attomey Dockel Number	JPW-6616-0139
	First Named Inventor	Gregory MUTHLER, et al.
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		
USING AN APPLICATION DATA Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R.))		
METHODS FOR AVOIDING EXCESSIVE FALSE POSITIVE VOLUME HIERA		OUGH A BOUNDING
(Tille of the invent	ion)	j
As a below named inventor, I hereby declare that:		
This declaration is directed to: the attached application, or United States Application Number 17/946,201 filed September PCT International application number filed on	16, 2022, or	
The above-identified application was made or authorized to be made by mo	> .	
I believe I am the original inventor or an original joint inventor of a claimed (invention in the application.	
I hereby acknowledge that any willful false statement made in this declarational by line or imprisonment of not more than five (5) years, or both.	on is punishable under 18 U.	S.C. 1001
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NOW, THEREFORE, for good and valuable consideration, the receipt and a ASSIGNORS hereby assigns and transfers unto the said ASSIGNEE, its so entire right, title and interest in the United States of America and all foreign aforesaid application, and to the said application and to all subsequent applications, reissues, and substitutes of said application, and all resulting patrices of the Protection of Industrial Property, Inter-American Converting other international agreements to which the United States of America at the Commissioner of Patents and Trademarks to issue said Letters Patent assigns, and legal representatives. It is understood and agreed that ASSIGNEE with respectively ASSIGNEE with respectively.	tocessors, assigns, and legal countries, in and to the inver- lications based thereon inclu- ents, together with the right o ation Relating to Patents, Des idheres, and the ASSIGNOR to ASSIGNEE, for its interest SNEE'S attorneys Nixon & Va	representatives, ASSIGNOR'S ation as described in the sing any and all continuations, funding under the International lighs and Industrial Models, and hereby authorizes and requests as ASSIGNEE, its successors.
ASSIGNOR hereby agrees to transfer a like interest upon request of said A representatives, and without further remuneration, in and to any improvement of or related to the said invention;		
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its success ASSIGNEE'S full protection and little in and to the invention hereby transitions.		resentatives, deemed essential
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without furthe ASSIGNEE, for the filling and granting of foreign applications and the perfect	er remuneration, to execute a sting of title thereto in ASSIG	ny and all papers desired by NEE.
AGREED and executed as noted below:		
Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame,	}	
Magnus ANDERSSON Inventor's Signapore:	Date:	

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1,56,

te: 10-05-22

Doc code: Oath Document Description: Oath or declaration filed			
	Attorney Docket Number	IPW-6610-0139	
	First Named Inventor	Gregory MUTHLER, et al.	
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILI USING AN APPLICATION DAT		PPLICATION (37 CFR 1.63)	
☐ Declaration Submitted With Initial Filing OR			
Declaration Submitted After Initial Filing (surcharge (37 C.F.F.	R. § 1.16(f)) required)	•	
METHODS FOR AVOIDING EXCESSIVE FALSE POSIT VOLUME HIER		OUGH A BOUNDING	
(Title of the Inv	ention)		
As a below named inventor, I hereby declare that:			
This declaration is directed to: ☐ the attached application, or ☑ United States Application Number 17/946,201 filed Septemb ☐ PCT International application number filed on .	er 16, 2022, or		
The above-identified application was made or authorized to be made by	me.		
I believe I am the original inventor or an original joint inventor of a claime	I believe I am the original inventor or an original joint inventor of a claimed invention in the application.		
I hereby acknowledge that any willful false statement made in this declar by fine or imprisonment of not more than five (5) years, or both.	ration is punishable under 18 U.	S.C. 1001	
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NOW, THEREFORE, for good and valuable consideration, the receipt at ASSIGNORS hereby assigns and transfers unto the said ASSIGNEE, its entire right, title and interest in the United States of America and all foreign aforesaid application, and to the said application and to all subsequent a divisions, reissues, and substitutes of said application, and all resulting processing the said application.	s successors, assigns, and legal gn countries, in and to the inver applications based thereon inclu-	representatives, ASSIGNOR'S ation as described in the ding any and all continuations,	

Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and

ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below:

Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
lan KWONG	
Inventor's Signature: Jan Kway	Date: 10/5/2022

PATENT

Doc code: Oath

Document Description: Oath or declaration filed

Attorney Docket Number | IPW-6610-0139

	First Named Inventor	Gregory MUTHLER, et al.	
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USING AN APPLICATION DATA S		,	
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As a below named inventor, I hereby declare that:			
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The above-identified application was made or authorized to be made by me.			
I believe I am the original inventor or an original joint inventor of a claimed in	vention in the application.		
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AGREED and executed as noted below:			
Legal Name of Additional Joint Inventor, if any: (F.g. Civon Name (first and middle (if any)) and Family Name or Surrame)			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Edward BIDDULPH Inventor's Signature:	Date:		
Biddulph		ember 2022	

PATENT I.**56**. **RECORDED: 07/01/2024** REEL: 067886 FRAME: 0084