

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5026010

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PRAMUDITHA HEMANGA PERERA	06/19/2018
GURUMURTHY SWAMINATHAN	10/15/2017
VINEET KHARE	10/13/2017
RECEIVING PARTY DATA	
Name:	AMAZON TECHNOLOGIES, INC.
Street Address:	PO BOX 81226
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98108-1226
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15782390
CORRESPONDENCE DATA	
Fax Number:	(973)422-6423
<i>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.</i>	
Phone:	973-597-2500
Email:	dsierchio@lowenstein.com
Correspondent Name:	DOCKET ADMINISTRATOR
Address Line 1:	ONE LOWENSTEIN DRIVE
Address Line 2:	LOWENSTEIN SANDLER LLP
Address Line 4:	ROSELAND, NEW JERSEY 07068
ATTORNEY DOCKET NUMBER:	33167.46 (L0046)
NAME OF SUBMITTER:	DANIEL D. SIERCHIO
SIGNATURE:	/Daniel D. Sierchio/
DATE SIGNED:	06/27/2018
Total Attachments: 14	
source=33167_46_L0046_Assignment1#page1.tif	
source=33167_46_L0046_Assignment1#page2.tif	
source=33167_46_L0046_Assignment1#page3.tif	

source=33167_46_L0046_Assignment1#page4.tif
source=33167_46_L0046_Assignment1#page5.tif
source=33167_46_L0046_Assignment1#page6.tif
source=33167_46_L0046_Assignment1#page7.tif
source=33167_46_L0046_Assignment2#page1.tif
source=33167_46_L0046_Assignment2#page2.tif
source=33167_46_L0046_Assignment2#page3.tif
source=33167_46_L0046_Assignment2#page4.tif
source=33167_46_L0046_Assignment2#page5.tif
source=33167_46_L0046_Assignment2#page6.tif
source=33167_46_L0046_Assignment2#page7.tif

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

PARTIES TO THE ASSIGNMENT

Assignor(s):

PRAMUDITHA HEMANGA PERERA
410 Terry Avenue North
Seattle, WA 98109-5210

GURUMURTHY SWAMINATHAN
410 Terry Avenue North
Seattle, WA 98109-5210

VINEET KHARE
410 Terry Avenue North
Seattle, WA 98109-5210

Assignee:

Amazon Technologies, Inc.
PO Box 81226
Seattle, WA 98108-1226

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled
“NEURAL NETWORK-BASED IMAGE PROCESSING” (Invention) for which a non-provisional application for
United States Letters Patent

- was filed on October 12, 2017 and accorded U.S. application no. 15/782,390; or
 will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for
recordation.

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of Lowenstein Sandler LLP, associated with Customer No. 14432, to insert in the header above and here in parentheses (U.S. application no. 15/782,390, filed October 12, 2017) this application's U.S. application number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon our heirs, legal representatives, administrators, and assigns.

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

CORRESPONDENCE ADDRESS

I hereby direct all correspondence and telephone calls in connection with this application be addressed to the number associated with the customer number listed below, which is:

<p>Customer No. 14432</p>

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application; or
- United States application number 15/782,390 filed on October 12, 2017; or
- PCT international application number _____ filed on _____.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **PRAMUDITHA HEMANGA PERERA**

June 19, 2018
Date

DocuSigned by:
Pramuditha Hemanga Perera
9410259E87D4418...
Inventor Signature

WITNESSED BY:

Date

Witness (Signature)

Witness (Printed Name)

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application; or
- United States application number 15/782,390 filed on October 12, 2017; or
- PCT international application number _____ filed on _____.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **GURUMURTHY SWAMINATHAN**

Date

Inventor Signature

WITNESSED BY:

Date

Witness (Signature)

Witness (Printed Name)

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application; or
- United States application number 15/782,390 filed on October 12, 2017; or
- PCT international application number _____ filed on _____.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **VINEET KHARE**

Date

Inventor Signature

WITNESSED BY:

Date

Witness (Signature)

Witness (Printed Name)

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

PARTIES TO THE ASSIGNMENT

Assignor(s):

PRAMUDITHA HEMANGA PERERA
410 Terry Avenue North
Seattle, WA 98109-5210

GURUMURTHY SWAMINATHAN
410 Terry Avenue North
Seattle, WA 98109-5210

VINEET KHARE
410 Terry Avenue North
Seattle, WA 98109-5210

Assignee:

Amazon Technologies, Inc.
PO Box 81226
Seattle, WA 98108-1226

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled
“NEURAL NETWORK-BASED IMAGE PROCESSING” (Invention) for which a non-provisional application for
United States Letters Patent

- was filed on October 12, 2017 and accorded U.S. application no. 15/782,390; or
 will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for
recordation.

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of Lowenstein Sandler LLP, associated with Customer No. 14432, to insert in the header above and here in parentheses (U.S. application no. 15/782,390, filed October 12, 2017) this application's U.S. application number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon our heirs, legal representatives, administrators, and assigns.

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

CORRESPONDENCE ADDRESS

I hereby direct all correspondence and telephone calls in connection with this application be addressed to the number associated with the customer number listed below, which is:

<p>Customer No. 14432</p>

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application; or
- United States application number 15/782,390 filed on October 12, 2017; or
- PCT international application number _____ filed on _____.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **PRAMUDITHA HEMANGA PERERA**

Date

Inventor Signature

WITNESSED BY:

Date

Witness (Signature)

Witness (Printed Name)

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application; or
- United States application number 15/782,390 filed on October 12, 2017; or
- PCT international application number _____ filed on _____.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **GURUMURTHY SWAMINATHAN**

October 15, 2017
Date

DocuSigned by:
Gurumurthy Swaminathan
BE3AF64391B94FA...
Inventor Signature

WITNESSED BY:

Date

Witness (Signature)

Witness (Printed Name)

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/782,390
Filing Date October 12, 2017

Attorney Docket No. P42414-US
Client Docket No. 33167.46 (L0046)

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application; or
- United States application number 15/782,390 filed on October 12, 2017; or
- PCT international application number _____ filed on _____.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

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

Legal name of inventor: **VINEET KHARE**

October 13, 2017

Date

DocuSigned by:
Vineet Khare
74E44CF95EFD48E...

Inventor Signature

WITNESSED BY:

_____ Date

_____ Witness (Signature)

_____ Witness (Printed Name)