

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5236638

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ERROR IN APPLICATION NO. 15/977,408 previously recorded on Reel 047046 Frame 0013. Assignor(s) hereby confirms the CORRECTIVE ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ODYSSEAS ZISIMOPOULOS	08/15/2018
EVANGELLO FLOUTY	07/11/2018
IMANOL LUENGO MUNTION	07/11/2018
MARK STACEY	07/11/2018
SAM MUSCROFT	07/11/2018
PETROS GIATAGANAS	07/11/2018
ANDRE CHOW	07/11/2018
JEAN NEHME	07/11/2018
DANAIL STOYANOV	08/06/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DIGITAL SURGERY LIMITED
<b>Street Address:</b>	230 CITY ROAD
<b>City:</b>	LONDON
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	EC1V 2QY
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15997408
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	lbreen@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP
<b>Address Line 1:</b>	1100 PEACHTREE STREET NW, SUITE 2800
<b>Address Line 2:</b>	MAILSTOP: IP DOCKETING - 22
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309
<b>ATTORNEY DOCKET NUMBER:</b>	101861-1089084 (000510US)

<b>NAME OF SUBMITTER:</b>	LELIA BREEDEN
<b>SIGNATURE:</b>	/Lelia Breedon/
<b>DATE SIGNED:</b>	11/14/2018

**Total Attachments: 26**

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5133928

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the EXECUTION DATE OF DANAIL STOYANOV previously recorded on Reel 046810 Frame 0782. Assignor(s) hereby confirms the ASSIGNMENT EXECUTED DATE FOR DANAIL STOYANOV IS 08/06/2018.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ODYSSEAS ZISIMOPOULOS	08/15/2018
EVANGELLO FLOUTY	07/11/2018
IMANOL LUENGO MUNTION	07/11/2018
MARK STACEY	07/11/2018
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ANDRE CHOW	07/11/2018
JEAN NEHME	07/11/2018
DANAIL STOYANOV	08/06/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DIGITAL SURGERY LIMITED
<b>Street Address:</b>	230 CITY ROAD
<b>City:</b>	LONDON
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	EC1V 2QY
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	<del>45977408</del> <u>15/997,408</u>
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	lbreenen@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP
<b>Address Line 1:</b>	1100 PEACHTREE STREET NW, SUITE 2800
<b>Address Line 2:</b>	MAILSTOP: IP DOCKETING - 22
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5133928

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<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	EC1V 2QY
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15977408
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	lbreenen@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP
<b>Address Line 1:</b>	1100 PEACHTREE STREET NW, SUITE 2800
<b>Address Line 2:</b>	MAILSTOP: IP DOCKETING - 22
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS

Application No. 15/997,408, filed on June 4, 2018

ASSIGNMENT

WHEREAS, I, Odysseas Zisimopoulos, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1V 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

*and subject to availability and other employment commitments at the time*

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

DECLARATION

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 15/08/2018



Odysseas Zisimopoulos

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. 15/997,408, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, Evangello Flouty, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1V 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

**DECLARATION**

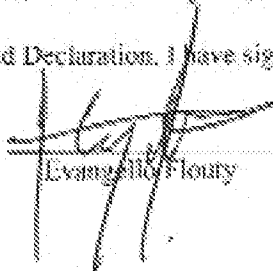
As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated:

11/07/2018

  
Evangello Flouty

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. **15/997,408, filed on June 4, 2018**

**ASSIGNMENT**

WHEREAS, I, Imanol Luengo Muntion, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principal place of business at 230 City Road, London, EC1Y 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

**DECLARATION**

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated:

11/07/2017

  
Imanol Luengo Muntion

**PATENT**

**REEL: 047532 FRAME: 0838**

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: SURGICAL SIMULATION FOR TRAINING DETECTION AND  
CLASSIFICATION NEURAL NETWORKS

Application No. 15/997,408, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, Mark Stacey, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principal place of business at 230 City Road, London, EC1Y 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.


**DECLARATION**

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 11/7/2018

  
\_\_\_\_\_  
Mark Stacey

**PATENT**

**REEL: 047532 FRAME: 0839**



**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. 15/997,408, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, Sam Mascroft, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1Y 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.


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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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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 11 July 2018

  
Sam Mascroft

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. **15/997,408**, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, Petros Giataganas, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1V 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

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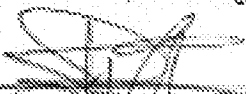
**DECLARATION**

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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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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 12/7/18

  
Petros Giataganas

**PATENT**

**REEL: 047532 FRAME: 0841**

# COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS

Application No. 15/997,408, filed on June 4, 2018

## ASSIGNMENT

WHEREAS, I, Andre Chow, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1Y 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

## DECLARATION

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated:

11 July 2018

Andre Chow

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. 15/997,498, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, Jean Nehme, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1Y 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

**DECLARATION**

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated:

11 July 2018

Jean Nehme

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. 15/997,408, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, **Danail Stoyanov**, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, **Digital Surgery Limited**, a corporation having a principle place of business at 230 City Road, London, EC1V 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

**DECLARATION**

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 6/8/18

  
Danail Stoyanov

**PATENT**

**REEL: 047532 FRAME: 0844**



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 10, 2018

PTAS

KILPATRICK TOWNSEND & STOCKTON LLP  
1100 PEACHTREE STREET NW, SUITE 2800  
MAILSTOP: IP DOCKETING - 22  
ATLANTA, GA 30309

**505082437**

### UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 09/07/2018

REEL/FRAME: 046810/0782  
NUMBER OF PAGES: 11

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 101861-1089084 (000510US)

ASSIGNOR:

ZISIMOPOULOS, ODYSSEAS

DOC DATE: 08/15/2018

ASSIGNOR:

FLOUTY, EVANGELLO

DOC DATE: 07/11/2018

ASSIGNOR:

MUNTION, IMANOL LUENGO

DOC DATE: 07/11/2018

ASSIGNOR:

STACEY, MARK

DOC DATE: 07/11/2018

ASSIGNOR:

MUSCROFT, SAM

DOC DATE: 07/11/2018

ASSIGNOR:

GIATAGANAS, PETROS

DOC DATE: 07/11/2018

ASSIGNOR:

CHOW, ANDRE

DOC DATE: 07/11/2018

ASSIGNOR:  
NEHME, JEAN

DOC DATE: 07/11/2018

ASSIGNOR:  
STOYANOV, DANAIL

DOC DATE: ~~07/11/2018~~ 08/06/2018

ASSIGNEE:  
DIGITAL SURGERY LIMITED  
230 CITY ROAD  
LONDON, UNITED KINGDOM EC1V 2QY

APPLICATION NUMBER: 15997408

FILING DATE: 06/04/2018

PATENT NUMBER:

ISSUE DATE:

TITLE: SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION  
NEURAL NETWORKS

ASSIGNMENT RECORDATION BRANCH  
PUBLIC RECORDS DIVISION

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5129195

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ODYSSEAS ZISIMOPOULOS	08/15/2018
EVANGELLO FLOUTY	07/11/2018
IMANOL LUENGO MUNTION	07/11/2018
MARK STACEY	07/11/2018
SAM MUSCROFT	07/11/2018
PETROS GIATAGANAS	07/11/2018
ANDRE CHOW	07/11/2018
JEAN NEHME	07/11/2018
DANAIL STOYANOV	<del>07/11/2018</del> 08/06/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DIGITAL SURGERY LIMITED
<b>Street Address:</b>	230 CITY ROAD
<b>City:</b>	LONDON
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	EC1V 2QY
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15997408
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	lbreen@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP
<b>Address Line 1:</b>	1100 PEACHTREE STREET NW, SUITE 2800
<b>Address Line 2:</b>	MAILSTOP: IP DOCKETING - 22
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309
<b>ATTORNEY DOCKET NUMBER:</b>	101861-1089084 (000510US)
<b>NAME OF SUBMITTER:</b>	LELIA BREEDEN



## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5129195

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
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EVANGELLO FLOUTY	07/11/2018
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PETROS GIATAGANAS	07/11/2018
ANDRE CHOW	07/11/2018
JEAN NEHME	07/11/2018
DANAIL STOYANOV	07/11/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DIGITAL SURGERY LIMITED
<b>Street Address:</b>	230 CITY ROAD
<b>City:</b>	LONDON
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	EC1V 2QY
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15997408
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	lbreen@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP
<b>Address Line 1:</b>	1100 PEACHTREE STREET NW, SUITE 2800
<b>Address Line 2:</b>	MAILSTOP: IP DOCKETING - 22
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309
<b>ATTORNEY DOCKET NUMBER:</b>	101861-1089084 (000510US)
<b>NAME OF SUBMITTER:</b>	LELIA BREEDEN

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS

Application No. 15/997,408, filed on June 4, 2018

ASSIGNMENT

WHEREAS, I, Odysseas Zisimopoulos, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1V 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

*and subject to availability and other employment commitments at the time*

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

DECLARATION

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 15/08/2018



Odysseas Zisimopoulos

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. 15/997,408, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I. Evangello Flouty, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1V 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

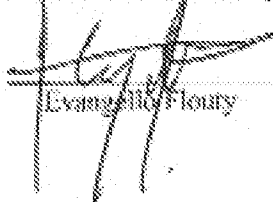
**DECLARATION**

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 11/07/2018

  
Evangello Flouty

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. **15/997,408, filed on June 4, 2018**

**ASSIGNMENT**

WHEREAS, I, Imanol Luengo Muntion, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principal place of business at 230 City Road, London, EC1Y 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

**DECLARATION**

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated:

11/07/2017

  
Imanol Luengo Muntion

**PATENT**

**REEL: 047532 FRAME: 0851**

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. **15/997,408**, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, Mark Stacey, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principal place of business at 230 City Road, London, EC1Y 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.


**DECLARATION**

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 11/7/2018

  
Mark Stacey

**PATENT**

**REEL: 047532 FRAME: 0852**

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. 15/997,408, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, Sam Mascroft, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1Y 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

**DECLARATION**

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 11 July 2018

  
Sam Mascroft

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. **15/997,408**, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, Petros Giataganas, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1V 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

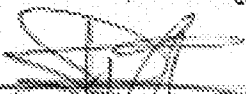
**DECLARATION**

As the above named 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.
- 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 12/7/18

  
Petros Giataganas

**PATENT**

**REEL: 047532 FRAME: 0854**

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. 15/997,408, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, Andre Chow, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1Y 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

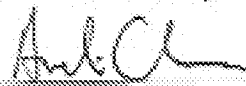
**DECLARATION**

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 11 July 2018

  
Andre Chow



**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **SURGICAL SIMULATION FOR TRAINING DETECTION AND CLASSIFICATION NEURAL NETWORKS**

Application No. 15/997,498, filed on June 4, 2018

**ASSIGNMENT**

WHEREAS, I, Jean Nehme, residing in London, United Kingdom, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Digital Surgery Limited, a corporation having a principle place of business at 230 City Road, London, EC1Y 2QY, United Kingdom, hereinafter referred to as "Digital Surgery," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Digital Surgery all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Digital Surgery and Digital Surgery's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Digital Surgery's expense, (a) cooperate with Digital Surgery in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Digital Surgery lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Digital Surgery, or Digital Surgery's successors and assigns. I waive any obligation of Digital Surgery to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts. Digital Surgery can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Digital Surgery in writing of any foreign counterparts I would like the option to pursue or prosecute.

**DECLARATION**

As the above named 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.
- 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated:

11 July 2018

Jean Nehme

**PATENT**