

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4875185

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOSEPH Y. CHENG	02/20/2018
SHREYAS S. VASANAWALA	02/20/2018
JOHN M. PAULY	02/20/2018
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Name:	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
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State/Country:	CALIFORNIA
Postal Code:	94306
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15900330
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ATTORNEY DOCKET NUMBER:	S17-414/US
NAME OF SUBMITTER:	THOMAS J. MCFARLANE
SIGNATURE:	/Thomas J. McFarlane/
DATE SIGNED:	03/20/2018
Total Attachments: 3	
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ASSIGNMENT OF INVENTION AND PATENT

This Assignment of Invention and Patent (the "Assignment") is made and effective as of **February 20, 2018**, by and between **Joseph Y. Cheng**, an individual residing in **Los Altos, CA, US**, (the "Assignor") and **The Board of Trustees of the Leland Stanford Junior University**, an entity whose address is **3000 El Camino Real, Building Five, Third Floor, Palo Alto, CA 94306, USA** (the "Assignee").

1) For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee and the successors, assigns, and legal representatives of Assignee, all of its right, title and interest in and to (i) the invention or inventions described in US patent application **15/900330** filed **2/20/2018** entitled **Highly-Scalable Image Reconstruction using Deep Convolutional Neural Networks with Bandpass Filtering** (the "Application") naming Assignor as an inventor, (ii) any and all patent applications (whether provisional or non-provisional) relating to said invention(s), including all continuations, continuations-in-part, divisions, substitutes, reissues or renewals thereof, in any and all countries, (iii) any and all patents relating to such invention(s) in any and all countries that may be granted on any such application(s), including all reissues or extensions of any such patents and (iv) any and all domestic and foreign rights of priority resulting from the filing of the Application.

2) Assignor hereby agrees that no assignment, sale, agreement or encumbrance has been or will be made or entered into by Assignor which would conflict with this Assignment. Assignor represents and warrants to Assignee that at the time of the execution and delivery of this Assignment, Assignor solely owns (or jointly owns, if the invention(s) were jointly made) the entire right, title and interest in and to said invention(s).

3) Assignor agrees that Assignee may apply for foreign patents relating to said invention(s) and irrevocably authorizes Assignee and grants Assignee the right to do so.

4) Assignor agrees, on request and without further consideration, but at the expense of Assignee, to sign all lawful papers, make all rightful oaths, and give any required testimony in any legal proceedings relating to said invention(s), and to generally aid Assignee, or its successors or assigns to obtain and enforce patent protection for said invention(s) in any and all countries.

5) Assignor authorizes and requests any official whose duty it is to issue patents to issue any patent on said invention(s) to Assignee, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.

6) This Assignment shall bind and inure to the benefit of the successors, assigns and personal representatives of the respective parties.

Assignor has executed this Assignment as of the Effective Date of **February 20, 2018**.

Signature: 
Assignor: **Joseph Y. Cheng**

Lumen Ref.: S17-414/US
PID: 23814 IID: 6451

ASSIGNMENT OF INVENTION AND PATENT

This Assignment of Invention and Patent (the "Assignment") is made and effective as of **February 20, 2018**, by and between **Shreyas S. Vasanawala**, an individual residing in **Stanford, CA, US**, (the "Assignor") and **The Board of Trustees of the Leland Stanford Junior University**, an entity whose address is **3000 El Camino Real, Building Five, Third Floor, Palo Alto, CA 94306, USA** (the "Assignee").

1) For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee and the successors, assigns, and legal representatives of Assignee, all of its right, title and interest in and to (i) the invention or inventions described in US patent application **15/900330** filed **2/20/2018** entitled **Highly-Scalable Image Reconstruction using Deep Convolutional Neural Networks with Bandpass Filtering** (the "Application") naming Assignor as an inventor, (ii) any and all patent applications (whether provisional or non-provisional) relating to said invention(s), including all continuations, continuations-in-part, divisions, substitutes, reissues or renewals thereof, in any and all countries, (iii) any and all patents relating to such invention(s) in any and all countries that may be granted on any such application(s), including all reissues or extensions of any such patents and (iv) any and all domestic and foreign rights of priority resulting from the filing of the Application.

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6) This Assignment shall bind and inure to the benefit of the successors, assigns and personal representatives of the respective parties.

Assignor has executed this Assignment as of the Effective Date of **February 20, 2018**.

Signature: 

Assignor: **Shreyas S. Vasanawala**

Lumen Ref.: S17-414/US
PID: 23814 IID: 4406

ASSIGNMENT OF INVENTION AND PATENT

This Assignment of Invention and Patent (the "Assignment") is made and effective as of **February 20, 2018**, by and between **John M. Pauly**, an individual residing in **Stanford, CA, USA**, (the "Assignor") and **The Board of Trustees of the Leland Stanford Junior University**, an entity whose address is **3000 El Camino Real, Building Five, Third Floor, Palo Alto, CA 94306, USA** (the "Assignee").

1) For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee and the successors, assigns, and legal representatives of Assignee, all of its right, title and interest in and to (i) the invention or inventions described in US patent application **15/900330** filed **2/20/2018** entitled **Highly-Scalable Image Reconstruction using Deep Convolutional Neural Networks with Bandpass Filtering** (the "Application") naming Assignor as an inventor, (ii) any and all patent applications (whether provisional or non-provisional) relating to said invention(s), including all continuations, continuations-in-part, divisions, substitutes, reissues or renewals thereof, in any and all countries, (iii) any and all patents relating to such invention(s) in any and all countries that may be granted on any such application(s), including all reissues or extensions of any such patents and (iv) any and all domestic and foreign rights of priority resulting from the filing of the Application.

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6) This Assignment shall bind and inure to the benefit of the successors, assigns and personal representatives of the respective parties.

Assignor has executed this Assignment as of the Effective Date of **February 20, 2018**.

Signature: _____

Assignor: **John M. Pauly**

Lumen Ref.: S17-414/US
PID: 23814 IID: 633