

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT6190386

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FENG LIU	06/18/2020
SIMON NIKLAUS	06/27/2020
LONG MAI	06/22/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PORTLAND STATE UNIVERSITY
<b>Street Address:</b>	P.O. BOX 751-MCB
<b>City:</b>	PORTLAND
<b>State/Country:</b>	OREGON
<b>Postal Code:</b>	97207-0751
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16495029
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(503)796-2900
<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>	
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<b>Correspondent Name:</b>	SCHWABE WILLIAMSON& WYATT PACWEST CENTER
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<b>Address Line 4:</b>	PORTLAND, OREGON 97204
<b>ATTORNEY DOCKET NUMBER:</b>	125512-249490 (P003US)
<b>NAME OF SUBMITTER:</b>	DEREK S. WATSON
<b>SIGNATURE:</b>	/DEREK S. WATSON/
<b>DATE SIGNED:</b>	07/08/2020
<b>Total Attachments: 4</b>	
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**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged that the undersigned,

**ASSIGNOR(S):** Feng Liu  
Simon Niklaus  
Long Mai

hereby sell, assign, and transfer to

**ASSIGNEE:** Portland State University  
P.O. Box 751-MCB  
Portland, OR 97207-0751  
United States of America

and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the applications for patent that have been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and are entitled:

**FRAME INTERPOLATION VIA ADAPTIVE CONVOLUTION AND ADAPTIVE  
SEPARABLE CONVOLUTION**

APPLICATION NO.: 16/495,029

DATE OF FILING: SEPTEMBER 17, 2019

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part

**PATENT**

**REEL: 053151 FRAME: 0412**

applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

06-18-2020

Date



Name: Feng Liu

IN WITNESS WHEREOF the Assignees have executed these on  
this 18 day of June 2020 (insert name  
of city and country)

PORTLAND STATE UNIVERSITY Name and designation of the  
authorized signatory along with Company seal, if any

Witnesses:

Juan zhu

Signature, name and address

Juan zhu

Signature, name and address

16319 SW GEMSTONE CT. BEAVERTON  
OREGON, 97007

Jun 27, 2020  
Date

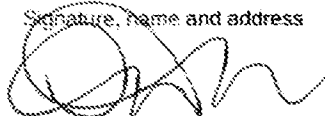
Simon Niklaus  
Name: Simon Niklaus

IN WITNESS WHEREOF the Assignees have executed these on  
this 27<sup>TH</sup> day of June 2020 San Jose, USA (insert name  
of city and country)

PORTLAND STATE UNIVERSITY Name and designation of the  
authorized signatory along with Company seal, if any

Witnesses:

Signature, name and address



Signature, name and address

Aleena Watson  
808 W San Carlos St.  
Unit 514  
San Jose, CA 95126

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name: Long Mai

IN WITNESS WHEREOF the Assignees have executed these on  
this \_\_\_\_\_ day of \_\_\_\_\_ 2020 \_\_\_\_\_ (insert name  
of city and country)

PORTLAND STATE UNIVERSITY Name and designation of the  
authorized signatory along with Company seal, if any

Witnesses:

Signature, name and address

Signature, name and address

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name: Simon Niklaus

IN WITNESS WHEREOF the Assignees have executed these on  
this \_\_\_\_\_ day of \_\_\_\_\_ 2020 \_\_\_\_\_ (insert name  
of city and country)

\_\_\_\_\_  
PORTLAND STATE UNIVERSITY Name and designation of the  
authorized signatory along with Company seal, if any

Witnesses:

Signature, name and address

Signature, name and address

06-22-2020

\_\_\_\_\_  
Date

L  
\_\_\_\_\_  
Name: Long Mai

IN WITNESS WHEREOF the Assignees have executed these on  
this 28th day of June 2020 San Jose, USA (insert name  
of city and country)

\_\_\_\_\_  
PORTLAND STATE UNIVERSITY Name and designation of the  
authorized signatory along with Company seal, if any

Witnesses:

Signature, name and address

Amy Do  
\_\_\_\_\_  
Signature, name and address

549 Columbia Ave  
San Jose, CA 95126