

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6297053

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WENJIE XIE	09/09/2020
JIN WANG	09/08/2020
GRAMA RAMASWAMY BHASHYAM	09/05/2020
TIM PAUL PAWLAK	09/14/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ANSYS, INC.
<b>Street Address:</b>	2600 ANSYS DRIVE
<b>City:</b>	CANONSBURG
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15317
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17018860
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)341-3098
<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>Phone:</b>	4048727000
<b>Email:</b>	kitty.yuen@wbd-us.com
<b>Correspondent Name:</b>	WOMBLE BOND DICKINSON (US) LLP
<b>Address Line 1:</b>	ATTN: IP DOCKETING
<b>Address Line 2:</b>	PO BOX 7037
<b>Address Line 4:</b>	ATLANTA, UNITED STATES 30357-0037
<b>ATTORNEY DOCKET NUMBER:</b>	106042P040
<b>NAME OF SUBMITTER:</b>	DYLON C. REGISTER
<b>SIGNATURE:</b>	/Dylon Register/
<b>DATE SIGNED:</b>	09/14/2020
<b>Total Attachments: 5</b>	
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**ASSIGNMENT OF PATENT APPLICATION**

Attorney Docket No.: 106042P040

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Wenjie Xie, Jin Wang, Grama Ramaswamy Bhashvam, and Tim Paul Pawlak, hereby sell, assign, and transfer to ANSYS, INC.

a corporation of Delaware  
(Type of Assignee: e.g., corporation, company, partnership, university, etc.)

having a principal place of business at 2600 ANSYS DRIVE, CANONSBURG, PENNSYLVANIA 15317.

("Assignee"), 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 inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

**SYSTEMS AND METHODS FOR SIMULATING PRINTED CIRCUIT BOARD COMPONENTS**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 17/018,860 filed September 11, 2020

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, 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 inventions or 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 inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

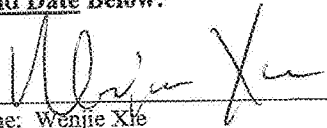
agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or 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 inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining

proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or 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.

**Each Inventor: Please Sign and Date Below:**

Sept. 9, 20 20  
Date

  
Name: Wenjie Xie

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Jin Wang

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Grama Ramaswamy Bhashyam

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Tim Paul Pawlak

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**Each Inventor: Please Sign and Date Below:**

\_\_\_\_\_, 20\_\_\_\_  
Date Name: Wenjie Xie

*Sept. 8*, 20*20*  
Date Name: Jin Wang

\_\_\_\_\_, 20\_\_\_\_  
Date Name: Grama Ramaswamy Bhashyam

\_\_\_\_\_, 20\_\_\_\_  
Date Name: Tim Paul Pawlak

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**Each Inventor: Please Sign and Date Below:**

\_\_\_\_\_, 20\_\_\_\_  
Date Name: Wenjie Xie

\_\_\_\_\_, 20\_\_\_\_  
Date Name: Jin Wang

9/5/2020  
Date Name: Grama Ramaswamy Bhashyam

\_\_\_\_\_, 20\_\_\_\_  
Date Name: Tim Paul Pawlak

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\_\_\_\_\_, 20\_\_\_\_  
Date Name: Wenjie Xie

\_\_\_\_\_, 20\_\_\_\_  
Date Name: Jin Wang

\_\_\_\_\_, 20\_\_\_\_  
Date Name: Grama Ramaswamy Bhashyam

Sept 14, 2020  
Date Name: Tim Paul Pawlak

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