

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5325643

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	NUNC PRO TUNC ASSIGNMENT
<b>EFFECTIVE DATE:</b>	05/30/2018

**CONVEYING PARTY DATA**

Name	Execution Date
TENGYUAN ZHANG	12/12/2018
QIUQUAN GUO	12/15/2018

**RECEIVING PARTY DATA**

<b>Name:</b>	JUN YANG
<b>Street Address:</b>	579 FIREFLY DRIVE
<b>City:</b>	LONDON, ON
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N5X 0E2

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	15993351

**CORRESPONDENCE DATA****Fax Number:** (703)739-9889*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.***Phone:** 7037399888**Email:** DOWELL@DOWELLPC.COM**Correspondent Name:** DOWELL & DOWELL P.C.**Address Line 1:** 2560 HUNTINGTON AVE, SUITE 203**Address Line 4:** ALEXANDRIA, VIRGINIA 22303

<b>ATTORNEY DOCKET NUMBER:</b>	20296
<b>NAME OF SUBMITTER:</b>	WENDY M. SLADE
<b>SIGNATURE:</b>	/WENDY M. SLADE/
<b>DATE SIGNED:</b>	01/15/2019

**Total Attachments: 5**

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**WORLDWIDE ASSIGNMENT**

WE, **Tengyuan ZHANG** and **Qiuquan GUO**, whose full post office addresses are; 268 Regal Drive, London, Ontario N5Y 4Z9, Canada and 59 Colonial Crescent, London, Ontario N6H 4X3, Canada, respectively, have invented, **METHODS OF FAST FABRICATION OF SINGLE AND MULTILAYER CIRCUIT WITH HIGHLY CONDUCTIVE INTERCONNECTIONS WITHOUT DRILLING**, for which the U.S. Provisional Patent application was filed:

**Filing Date: May 30, 2017**

**Serial No. 62/512,350**

and for with the U.S. patent application was filed:

**Filing Date: May 30, 2018**

**Serial No. 15/993,351**

and for which the Canadian patent application was filed:

**Filing Date: May 30, 2018**

**Serial No. 3,006,725**

in consideration of Two Dollars (\$2.00) paid to US, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, WE by these presents confirm that WE have sold, transferred and assigned and do hereby sell, transfer and assign to **JUN YANG** ("Assignee"), having offices at, 579 Firefly Drive, London, Ontario N5X 0E2, Canada, its successors and assigns or nominees, all OUR rights, title and interest in the United States, Canada and all the countries of the world, in and to OUR invention as fully described and claimed in the U.S. and Canadian patent applications, and WE sell, assign and transfer to **JUN YANG**, all OUR rights to apply for patent on said invention in the United States, Canada and all other countries of the world including any and all full utility applications, divisions, continuations-in-part,

continuations, re-examinations, renewals, reissues and/or extensions thereof, any design applications originating therefrom, International PCT patent applications and all national phase applications and all OUR corresponding rights, title and interest in and to any patent which may issue therefor in the United States, Canada and all other countries of the world and all OUR corresponding rights, title and interest in and to any patent which may issue therefor, to have and to hold for **JUN YANG 's** own use and **JUN YANG 's** successors and assigns as fully and entirely as the same might be enjoyed by **Tengyuan ZHANG** and **Qiuquan GUO** if this sale had not been made.

AND WE UNDERTAKE to sign such further documents to effect the aforesaid sale, assignment and transfer as may be required from time to time, without reimbursement, but at the expense of **JUN YANG**.


AND WE authorize HILL & SCHUMACHER, Patent and Trademark Agents, of 264 Avenue Road, Toronto, Ontario M4V 2G7, Canada to enter the particulars of the signature and particulars of the Declaration of Witness when missing.

The agreement shall be retroactive *nunc pro tunc* to the filing date of the U.S. and Canadian applications such that the effective date of this agreement is **May 30, 2018**.

This assignment can be signed in counterparts.

Signed at (city/town) London

This 12 day of December, 2018.



**Tengyuan ZHANG**

**DECLARATION OF WITNESS**

I, Jun Yang, whose full post office address is, 579 Firefly Dr., London ON, N5X 0E2, hereby declare that I was personally present and did see **Tengyuan ZHANG** who is personally known to me to be the person named in the above assignment duly sign and execute the same.

DECLARED at (city/town) London

This 12 day of December, 2018.



**(Signature of Witness)**



**ACCEPTANCE**


The Assignee accepts this assignment.

Signed at (city/town) London

This 12 day of December, 2018.

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**JUN YANG**

Signature:  \_\_\_\_\_

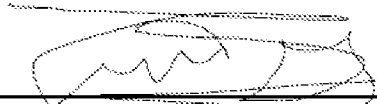
Position: Professor

**DECLARATION OF WITNESS**

I, Tengyuan Zhang, whose full post office address is, 268 Regal Drive, London, Ontario N5Y 4Z9, hereby declare that I was personally present and did see **JUN YANG**, who is personally known to me to be the person that has duly signed and executed the above assignment.

DECLARED at (city/town) London

This 12 day of December, 2018.

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**(Signature of Witness)**