

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LI-CHUN WANG	10/18/2016
SHU-HAO YANG	10/26/2016
ANG-HSUN TSAI	10/14/2016
JANE-HWA HUANG	10/20/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TRANSPACIFIC IP MANAGEMENT GROUP LTD.
<b>Street Address:</b>	8F., NO. 178, SEC. 3, MINQUAN EAST ROAD
<b>City:</b>	TAIPEI CITY
<b>State/Country:</b>	TAIWAN
<b>Postal Code:</b>	105
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14668641
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(815)301-8408
<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>	847-458-6313
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<b>ATTORNEY DOCKET NUMBER:</b>	PL133-0017 WANG ET AL
<b>NAME OF SUBMITTER:</b>	DANIEL W JUFFERNBRUCH
<b>SIGNATURE:</b>	/Daniel W Juffernbruch/
<b>DATE SIGNED:</b>	10/27/2016
<b>Total Attachments: 8</b>	
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**INVENTOR(S) ASSIGNMENT OF PATENT RIGHTS**

- (1) For good and valuable consideration, the receipt of which is hereby acknowledged, I [we], the undersigned inventor[s]:

Given Name:	Li-chun Wang		
Residence:	Hsinchu, Taiwan	Citizenship:	TW
Mailing Address:	1001 University Road, Hsinchu, Taiwan 300, R.O.C.		

Given Name:	Shu-hao Yang		
Residence:	Hsinchu, Taiwan	Citizenship:	TW
Mailing Address:	1001 University Road, Hsinchu, Taiwan 300, R.O.C.		

Given Name:	Ang-hsun Tsai		
Residence:	Hsinchu, Taiwan	Citizenship:	TW
Mailing Address:	1001 University Road, Hsinchu, Taiwan 300, R.O.C.		

Given Name:	Jane-hwa Huang	
Residence:	Hsinchu, Taiwan	Citizenship: TW
Mailing Address:	1001 University Road, Hsinchu, Taiwan 300, R.O.C.	

hereby sell, assign, transfer, and convey unto:

TRANSPACIFIC IP MANAGEMENT GROUP LTD.

a Taiwanese company, having an address at 8F., No. 178, Sec. 3, Minguan East Road, Taipei City 105, Taiwan, R.O.C. ("Assignee"), and its successors, assigns and legal representatives, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, "Patent Rights"):

- (a) The U.S. Patent Application ("Application") entitled listed in the table below has been executed by the undersigned prior hereto or concurrently herewith;

Application Number	Filing Date	Title of Patent
14/668,641	March 25, 2015	NETWORK-ASSISTED CHANNEL SELECTION AND POWER CONTROL FOR MOBILE DEVICES

- (b) any and all patents and patent applications (i) to which the Application directly or indirectly claims priority, (ii) for which the Application directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Application;
- (c) any and all reissue applications, reexaminations, extensions, continuation applications, continuation-in-part applications, continuing prosecution applications, requests for continued examination, divisional applications, substitute applications, renewal applications, registrations, and any and all

other patent applications that have been or shall be filed in the U.S. relating to any item in any of the foregoing categories (a) and (b);

- (d) any and all patents (including, without limitation, reissues, continuations, continuations in part and divisions) issuing from or relating to any of the foregoing categories (a) through (c);
  - (e) any and all foreign patents, foreign patent applications, and foreign counterparts relating to any item in any of the foregoing categories (a) through (d), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
  - (f) any and all items in any of the foregoing in categories (a) through (e) whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
  - (g) any and all inventions, invention disclosures, improvements, and discoveries described in any item in any of the foregoing categories (a) through (e) and all other rights arising out of such inventions, invention disclosures, improvements, and discoveries;
  - (h) any and all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (e) and (g), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
  - (i) any and all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any item in any of the foregoing categories (a) through (e), (g), and (h), including, without limitation, all causes of action and other enforcement rights for (i) damages, (ii) injunctive relief, and (iii) any other remedies of any kind for past, current, and future infringement; and
  - (j) any and all rights to collect royalties and other payments under or on account of any item in any of the foregoing categories (a) through (e) and (g) through (i).
- (2) I [we] agree to, at the reasonable request of Assignee and without demanding any further consideration therefore, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights. Such assistance will include providing prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths,

powers of attorney, specifications, declarations or other papers, and other assistance reasonably necessary for filing patent applications, complying with any duty of disclosure, and conducting prosecution, reexamination, reissue, interference or other priority proceedings, opposition proceedings, cancellation proceedings, public use proceedings, infringement or other court actions and the like with respect to the Patent Rights. With prior written approval by Assignee, Assignee will pay Assignor's reasonable costs and expenses.

- (3) I [we] agree that said Assignee may apply for and receive patent or patents for said Patent Rights in its own name, and hereby authorize the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.
- (4) I [we] covenant that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others or will be made to others, and that full right to convey the Patent Rights as herein expressed is possessed.
- (5) I [we] hereby authorize and request the attorneys of \_\_\_\_\_ [Name of Law Firm] of \_\_\_\_\_ [Location] to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.
- (6) I [we] agree that the terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon the undersigned.

[Signature Page follows]

Inventor[s]:

Inventor's Name:	Li-chun Wang
Inventor's Signature:	<u>Li-Chun Wang</u> Date <u>10/18/2016</u>

(Signature MUST be attested)

**ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. §1746**

The undersigned witnessed the signature of Li-chun Wang to the above Inventor (s) Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Li-chun Wang is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Oct. 18, 2016 to execute the above Inventor (s) Assignment of Patent Rights.
3. Li-chun Wang subscribed to the above Inventor (s) Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on 10/18/2016 (date)

By: Zoe Ni Shwe

Print Name: SONE BI SHON @ ZAR NI SHWE

Inventor's Name: Shu-hao Yang

Inventor's Signature: Shu-Hao Yang Date 2016.10.26

(Signature MUST be attested)

**ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. §1746**

The undersigned witnessed the signature of Shu-hao Yang to the above Inventor (s) Assignment of Patent Rights and makes the following statements:

- 1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
- 2. Shu-hao Yang is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Oct. 26, 2016 to execute the above Inventor (s) Assignment of Patent Rights.
- 3. Shu-hao Yang subscribed to the above Inventor (s) Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on 2016.10.26 (date)

By: Chun Chieh, Liao

Print Name: Chun Chieh, Liao



Inventor's Name:	<u>Ang-hsun Tsai</u>
Inventor's Signature:	<u>Ang-hsun Tsai</u> Date <u>2016, 10, 14</u>

(Signature MUST be attested)

**ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. §1746**

The undersigned witnessed the signature of Ang-hsun Tsai to the above Inventor (s) Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Ang-hsun Tsai is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Oct. 14, 2016 to execute the above Inventor (s) Assignment of Patent Rights.
3. Ang-hsun Tsai subscribed to the above Inventor (s) Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on 2016. 10. 14 (date)

By: Shao Hung, Cheng

Print Name: Shao Hung, Cheng

Inventor's Name: Jane-hwa Huang  
Inventor's Signature: Jane-hwa Huang Date 10/20/2016

(Signature MUST be attested)

**ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. §1746**

The undersigned witnessed the signature of Jane-hwa Huang to the above Inventor (s) Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Jane-hwa Huang is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Oct. 20, 2016 to execute the above Inventor (s) Assignment of Patent Rights.
3. Jane-hwa Huang subscribed to the above Inventor (s) Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on 10/20/2016 (date)

By: Hsuttan Chen

Print Name: Han-Chen Hsu