

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4555902

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LAI ZHIHUA	05/25/2017
XIA BING	05/25/2017
RECEIVING PARTY DATA	
Name:	RANPLAN WIRELESS NETWORK DESIGN LIMITED
Street Address:	UPPER PENDRILL COURT ERMINE STREET NORTH
Internal Address:	PAPWORTH EVERARD
City:	CAMBRIDGE, CAMBRIDGESHIRE
State/Country:	ENGLAND
Postal Code:	CB23 3UY
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15522735
CORRESPONDENCE DATA	
Fax Number:	(858)314-1501
<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>	
Phone:	8583141500
Email:	WOLAU@Mintz.com
Correspondent Name:	MINTZ LEVIN
Address Line 1:	3580 CARMEL MOUNTAIN ROAD
Address Line 2:	SUITE 300
Address Line 4:	SAN DIEGO, CALIFORNIA 92130
ATTORNEY DOCKET NUMBER:	49595-517N01US
NAME OF SUBMITTER:	JAMES P. CLEARY
SIGNATURE:	/JPC/
DATE SIGNED:	08/17/2017
Total Attachments: 3	
source=49595-517N01US-Executed_Assignment#page1.tif	
source=49595-517N01US-Executed_Assignment#page2.tif	
source=49595-517N01US-Executed_Assignment#page3.tif	

ASSIGNMENT

We, **Lai Zhihua** and **Xia Bing**, the undersigned, hereinafter referred to as the ASSIGNORS, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **RANPLAN WIRELESS NETWORK DESIGN LIMITED**, with offices at Upper Pendrill Court Ermine Street North, Papworth Everard, Cambridge, Cambridgeshire, England, CB23 3UY, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

METHOD FOR PREDICTING INDOOR THREE-DIMENSIONAL SPACE SIGNAL FIELD STRENGTH USING AN OUTDOOR-TO-INDOOR PROPAGATION MODEL

filed with the U.S. Patent and Trademark Office on April 27, 2017 and assigned Application No. 15/522,735, including any subsequently filed utility applications, which claim priority to Application No. PCT/GB2015/053223 filed October 27, 2015¹, and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

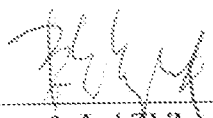
We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

First Inventor : Lai Zhibua
Page 2 of 3

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

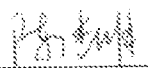
We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 25/5/17 
Signature of: Lai Zhibua

IN WITNESS WHEREOF, I, JIMING CREN, hereby declare
(Printed Name of Witness)

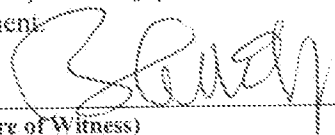
that I was personally present and did see the above named person duly sign and execute the assignment.


(Signature of Witness)

Date: 25/05/2017

IN WITNESS WHEREOF, I, JIE ZHANG, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.


(Signature of Witness)

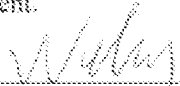
Date: 25/05/2017

First Inventor : Lai Zhibin
Page 3 of 3

Date: 25 May 2017 
Signature of: Xia Bing

IN WITNESS WHEREOF, I, Wenkang zhou, hereby declare
(Printed Name of Witness)

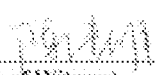
that I was personally present and did see the above named person duly sign and execute the assignment.


(Signature of Witness)

Date: 25 / 05 / 2017

IN WITNESS WHEREOF, I, Jinwen Chen, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.


(Signature of Witness)

Date: 28 / 05 / 2017