

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3038078

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PEI-KAI LIAO	09/15/2014
HSIAO-LAN CHIANG	09/15/2014
CHIEN-CHANG LI	09/15/2014
XIANGYANG ZHUANG	09/16/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MEDIATEK INC.
<b>Street Address:</b>	NO. 1 DUSING RD. 1ST.
<b>Internal Address:</b>	SCIENCE-BASED INDUSTRIAL PARK
<b>City:</b>	HSIN-CHU
<b>State/Country:</b>	TAIWAN
<b>Postal Code:</b>	300
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14496181
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(925)835-5804
<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>	408 896 6196
<b>Email:</b>	zheng@imperiumpw.com
<b>Correspondent Name:</b>	LAW OFFICE OF ZHENG JIN
<b>Address Line 1:</b>	P.O.BOX 731450
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95173
<b>ATTORNEY DOCKET NUMBER:</b>	MDT-151-1S
<b>NAME OF SUBMITTER:</b>	ZHENG JIN
<b>SIGNATURE:</b>	/zheng jin/
<b>DATE SIGNED:</b>	09/25/2014
<b>Total Attachments: 4</b>	
source=MDT-151-1S-Assignment#page1.tif	
source=MDT-151-1S-Assignment#page2.tif	

source=MDT-151-1S-Assignment#page3.tif

source=MDT-151-1S-Assignment#page4.tif

## ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Pei-Kai Liao, Hsiao-Lan Chiang, Chien-Chang Li, and Xiangyang Zhuang (hereinafter referred to as ASSIGNORS), having post office addresses of: No. 2, 9th Neighborhood, Wushuang Lane, Mingjian Xiang, Nantou County 551, Taiwan; No. 35, Mingmen, Miaoli City, Miaoli County 360 Taiwan; No. 8-24, Dongwei, Magong City, Penghu County 880, Taiwan; 1380 Louise Court, Lake Zurich, IL 60047, USA; respectively, are the joint inventors of the invention described and claimed in the specification forming part of the United States patent application entitled "METHODS OF DISCOVERY AND MEASUREMENTS FOR SMALL CELLS IN OFDM/OFDMA SYSTEMS," executed herewith;

WHEREAS, MEDIATEK INC. (hereafter referred to as ASSIGNEE), a corporation organized under the laws of Taiwan and having a place of business at No. 1, Dusing Rd. 1, Hsinchu Science Park, Hsin-Chu 300, Taiwan, is desirous of acquiring the entire right, title, and interest in and to the invention and in and to any letters patents that may be granted thereof in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said invention, said application and any and all letters patents which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention, application and all letters patents on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors or assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patents on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patents on said invention, for litigation regarding said letters patents, or for the purpose of protecting title to said invention or letters patents therefor.

IN WITNESS WHEREOF, We have hereunto signed our names on the day and year set forth below.

Inventor's Signature

Pei-Kai Liao  
Inventor's Printed Name

09/15/2014  
Date

Inventor's Signature

Hsiao-Lan Chiang  
Inventor's Printed Name

Date \_\_\_\_\_



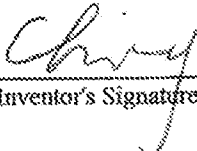
# ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Pei-Kai Liao, Hsiao-Lan Chiang, Chien-Chang Li, and Xiangyang Zhuang (hereinafter referred to as ASSIGNORS), having post office addresses of: No. 2, 9th Neighborhood, Wushuang Lane, Mingjien Xiang, Nantou County 551, Taiwan; No. 35, Mingmen, Miaoli City, Miaoli County 360 Taiwan; No. 8-24, Dongwei, Magong City, Penghu County 880, Taiwan; 1380 Louise Court, Lake Zurich, IL 60047, USA; respectively, are the joint inventors of the invention described and claimed in the specification forming part of the United States patent application entitled "METHODS OF DISCOVERY AND MEASUREMENTS FOR SMALL CELLS IN OFDM/OFDMA SYSTEMS," executed herewith;

WHEREAS, MEDIATEK INC. (hereafter referred to as ASSIGNEE), a corporation organized under the laws of Taiwan and having a place of business at No. 1, Dusing Rd. 1, Hsinchu Science Park, Hsin-Chu 300, Taiwan, is desirous of acquiring the entire right, title, and interest in and to the invention and in and to any letters patents that may be granted thereof in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said invention, said application and any and all letters patents which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention, application and all letters patents on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors an assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patents on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patents on said invention, for litigation regarding said letters patents, or for the purpose of protecting title to said invention or letters patents therefor.

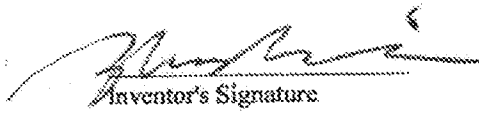
IN WITNESS WHEREOF, We have hereunto signed our names on the day and year set forth below.

_____ Inventor's Signature	<u>Pei-Kai Liao</u> Inventor's Printed Name	_____ Date
 Inventor's Signature	<u>Hsiao-Lan Chiang</u> Inventor's Printed Name	<u>09/15/2014</u> Date

\_\_\_\_\_  
Inventor's Signature

Chien-Chang Li  
Inventor's Printed Name

\_\_\_\_\_  
Date

  
Inventor's Signature

Xiangyang Zhuang  
Inventor's Printed Name

9/16/2014  
Date