

06/24/2011

U.S. PTO

13/134811

06/17/2011

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

103627844

ON FORM COVER SHEET

TENTS ONLY

MDT-047

Office: Please record the attached documents or the new address(es) below.

## 1. Name of conveying party(ies)/Execution Date(s):

Chih-Yuan Lin  
Yu-Hao Chang

Execution Date(s) June 14 and June 16, 2011

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

## 2. Name and address of receiving party(ies)

Name: MEDIATEK INC.

Internal Address: \_\_\_\_\_

Street Address: No. 1, Dusing Rd. 1stScience-Based Industrial ParkCity: Hsin-Chu 300

State: \_\_\_\_\_

Country: Taiwan, R.O.C.

Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application or patent number(s):

A. Patent Application No.(s)

Patent Application Entitled "SOUNDING  
MECHANISM UNDER CARRIER AGGREGATION"13-134811☒ This document is being filed together with a new application.  
B. Patent No.(s)Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address to whom correspondence concerning document should be mailed:

Name: Law Office of Zheng JinInternal Address: Zheng JinStreet Address: P.O. Box 731450City: San JoseState: CAZip: 95173Phone Number: (408) 896-6196Fax Number: (925) 835-5804Email Address: Zheng@ImperiumPW.com

## 6. Total number of applications and patents involved:

17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

## 9. Signature:

Signature

June 17, 2011

Date

Name of Person Signing

Total number of pages including cover  
sheet, attachments, and documents:3Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

21/2011 EEKUBAY1 00000019 13134811

FC:8021

40.00

## ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Chih-Yuan Lin and Yu-Hao Chang (hereinafter referred to as ASSIGNORS), having post office addresses of: No. 1, Lane 51, Sec. 3, Jhongsing Rd., Wujie Township, Yilan County 268, Taiwan; No. 273, Yatan Rd., Daya Township, Taichung County 428, Taiwan; respectively, are the joint inventors of the invention described and claimed in the specification forming part of the United States patent application entitled "SOUNDING MECHANISM UNDER CARRIER AGGREGATION," 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 and 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.

Chih-Yuan Lin

**Inventor's Signature**

Chih-Yuan Lin

Inventor's Printed Name

2011/6/16

Date \_\_\_\_\_

**Inventor's Signature**

Yu-Hao Chang

Inventor's Printed Name

Date \_\_\_\_\_

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Chih-Yuan Lin and Yu-Hao Chang (hereinafter referred to as ASSIGNORS), having post office addresses of: No. 1, Lane 51, Sec. 3, Zhongsing Rd., Wujie Township, Yilan County 268, Taiwan; No. 273, Yatan Rd., Daya Township, Taichung County 428, Taiwan; respectively, are the joint inventors of the invention described and claimed in the specification forming part of the United States patent application entitled "SOUNDING MECHANISM UNDER CARRIER AGGREGATION," executed herewith;

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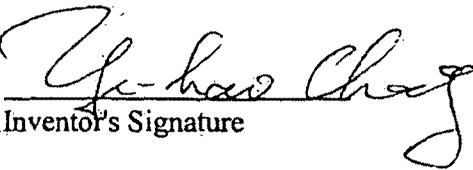
NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said invention, said application and any and all letters patents which may be granted 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

Chih-Yuan Lin  
Inventor's Printed Name

\_\_\_\_\_  
Date

  
Inventor's Signature

Yu-Hao Chang  
Inventor's Printed Name

06/14/2011  
Date

PATENT