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To the Director of the U.S. Patent a

documents or the new address(es) below.

103586281

1. Name of conveying party(ies)

Chih-Yuan Lin  
Pei-Kai Liao

Address of receiving party(ies)

Name: MEDIATEK INC.

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

Execution Date(s) December 28, 2009

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

Street Address: No. 1, Dusing Rd. 1st

Science-Based Industrial Park

City: Hsin-Chu 300

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

Country: Taiwan, R.O.C. Zip: \_\_\_\_\_

3. Nature of conveyance:

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

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Patent Application Entitled "Physical Structure and Sequence Design of Midamble in OFDMA Systems"

Additional numbers attached?  Yes  No

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

Name: Imperium Patent Works LLP

Internal Address: Zheng Jin

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6. Total number of applications and patents involved:

1

7. 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

Dec. 30, 2009

Date

Zheng Jin  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

2

Documents 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

12/30/09  
/05/2010 HDESTAT 00000002 12655524

## ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Chi-Yuan Lin and Pei-Kai Liao (hereinafter referred to as ASSIGNORS), having post office addresses of: No. 1, Lane 51, Sec. 3, Jhongsing Rd., Wyjie Township, Yilan County 268, Taiwan; No. 2, 9<sup>th</sup> Neighborhood, Wushuang Lane, Mingjian Xiang, Nantou County 551, Taiwan; respectively, are the joint inventors of the invention described and claimed in the specification forming part of the United States patent application entitled "PHYSICAL STRUCTURE AND SEQUENCE DESIGN OF MIDAMBLE IN 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 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

2009/12/28  
Date

Pei-Kai Liao  
Inventor's Signature

Pei-Kai Liao  
Inventor's Printed Name

2009/12/28  
Date