

11-04-2003

/ Docket: BHT-3212-45

To the Commissioner of Patents and Trademarks: P

1. Name of conveying party(ies):

**Chang-Fu KUO; Ling-Wei KE; Jen-Chiou BO;
Shou-Tsung WANG; Kuang-Kai TENG**

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: September 25, 2003 and October 1, 2003

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

If this document is being filed together with a new application, the execution date of the application is: September 25, 2003

A. Patent Application No.(s)

B. Patent Registration No.(s)

Additional numbers attached?

☐ Yes☒ No

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

Name: TROXELL LAW OFFICE PLLC5205 Leesburg PikeSuite 1404Falls Church, Virginia 22041-3401Telephone No.: (703) 575-2711Facsimile No.: (703) 575-27076. Number of applications and patents involved:
One (1)7. Total fee (37 CFR 3.41): . . \$40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit account number 501874

(Attach duplicate copy of this page if paying by deposit account):

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Bruce H. TroxellName of Person Signing
Registration No.26,592

Signature

October 28, 2003

Date

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

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40.00 DP

10/30/2003

ASSIGNMENT

WHEREAS, I (we), **Chang-Fu Kuo; Ling-Wei Ke; Jen-Chiou Bo; Shou-Tsung Wang; Kuang-Kai Teng**
whose post office address(es) appear below, hereinafter referred to as ASSIGNOR, is (are) the owner(s) of certain new and useful improvements in

PHASE LOCK LOOP APPLYING IN WIRELESS COMMUNICATION SYSTEM AND METHOD THEREOF

(Hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

☐ executed on even date herewith

☐ executed on:

☐ filed on: Serial No.:

☐ established by PCT International Patent Application No.:

WHEREAS, **MediaTek Inc.**

whose post office address is **MediaTek Inc., 5F, No. 1-2, Innovation Road 1, Science-Based Industrial Park, Hsin-Chu City, Taiwan 300, R.O.C.**

hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to the said INVENTION throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said INVENTION.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes **TROXELL LAW OFFICE PLLC** to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Assignor Name	Chang-Fu Kuo	Address c/o MediaTek Inc., 5F, No. 1-2, Innovation Road 1, Science-Based Industrial Park, Hsin-Chu City, Taiwan 300, R.O.C.
Where Signed		
Date	Sep 15, 2003	Signature Chang-Fu Kuo
(Notarization preferred but not required)		
Before me personally appeared said _____		
And acknowledged this instrument to be his (her) free act and deed this _____		
day of _____, 2003.		
Notary Public _____		
My Commission Expires: _____		

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ASSIGNMENT

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Assignor Name Ling-Wei Ke		Address c/o MediaTek Inc., 5F, No. 1-2, Innovation Road 1, Science-Based Industrial Park, Hsin-Chu City, Taiwan 300, R.O.C.
Where Signed		
Date Sep. 25, 2003	Signature Ling-Wei Ke	
(Notarization preferred but not required)		
Before me personally appeared said _____		
_____ day of _____ And acknowledged this instrument to be his (her) free act and deed this _____, 2003.		
My Commission Expires: _____ Notary Public		

Assignor Name Jen-Chiou Bo		Address c/o MediaTek Inc., 5F, No. 1-2, Innovation Road 1, Science-Based Industrial Park, Hsin-Chu City, Taiwan 300, R.O.C.
Where Signed		
Date Oct 1, 2003	Signature Jen-Chiou Bo	
(Notarization preferred but not required)		
Before me personally appeared said _____		
_____ day of _____ And acknowledged this instrument to be his (her) free act and deed this _____, 2003.		
Notary Public My Commission Expires: _____		

Assignor Name Shou-Tsung Wang		Address c/o MediaTek Inc., 5F, No. 1-2, Innovation Road 1, Science-Based Industrial Park, Hsin-Chu City, Taiwan 300, R.O.C.
Where Signed		
Date Sep. 25, 2003	Signature Shou-Tsung Wang	
(Notarization preferred but not required)		
Before me personally appeared said _____		
_____ day of _____ And acknowledged this instrument to be his (her) free act and deed this _____, 2003.		

Notary Public My Commission Expires: _____

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JOINT ASSIGNMENT - NOTARIZATION

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Assignor Name Kuang-Kai Teng	Address c/o MediaTek Inc., 5F, No. 1-2, Innovation Road 1, Science-Based Industrial Park, Hsin-Chu City, Taiwan 300, R.O.C.
Where Signed	
Date Sep 25. 2003	Signature Kuang-Kai Teng
_____ (Notarization preferred but not required)	
Before me personally appeared said _____ _____ And acknowledged this instrument to be his (her) free act and deed this _____ _____ day of _____, 2003.	
Notary Public My Commission Expires: _____	