

05-05-2003

DOCUMENT FOR RECORDATION
PATENTS ONLY

Atty. Docket: BHT-3111-322



d Trademarks: Please record the attached original documents or copy thereof.

1. 102438335

4.29.03

Jin-Ru CHEN; Chun-Feng LIU; Chang-Lien WU

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

☐

Yes

☒

No

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

Name: Realtek Semiconductor Corp.

Foreign Address: No.2, Industry E. Rd., IX

Science-Based Industrial Park

Hsinchu, Taiwan, R.O.C.

Domestic Address:

City: State ZIP

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

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: March 27, 2003 (All of them)

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: March 27, 2003

A. Patent Application No.(s)

10424903

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 PLLC

5205 Leesburg Pike

Suite 1404

Falls Church, Virginia 22041-3401

Telephone No.: (703) 575-2711

Facsimile No.: (703) 575-2707

6. Number of applications and patents involved:
One (1)

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number 501874

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

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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. Troxell

Name of Person Signing
Registration No.26,592

Signature

April 29, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

04/30/2003 FFAHREIN 00000050 10424903

04/30/2003

40.00 US

BHT/mbh

ASSIGNMENTWHEREAS, I (we), **Jin-Ru Chen; Chun-Feng Liu; Chang-Lien Wu**

whose post office address(es) appear below, hereinafter referred to as ASSIGNOR, is (are) the owner(s) of certain new and useful improvements in

Differentiated Granularity Timer Design

(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, **Realtek Semiconductor Corp.**whose post office address is **No.2, Industry E. Rd., IX, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C.**

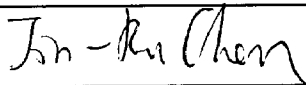
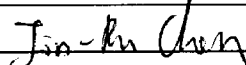
hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world:

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 expense, to identify and communicate to ASSIGNEE at ASSIGNEE request documents and information concerning the INVENTION that are within ASSIGNOR 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 obligations under this instrument shall extend to ASSIGNOR heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby Reauthorizes 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 sole use and behoof; and for the use and behoof of ASSIGNEE 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 any member of the firm of **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 Jin-Ru Chen	Address No.15, YingCheng 6 St., TaiChung, Taiwan, R.O.C.
Where Signed 	
Date MAR 27 2003	Signature 
_____ ss. _____ (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 _____, 2000.	

ASSIGNMENT

Page: _____

Assignor Name Chun-Feng Liu	Address 1Fl., No.24, Ln.50, HuLin St., Taipei, Taiwan, R.O.C.
Where Signed <i>Chun Feng Lin</i>	
Date MAR 27 2003	Signature <i>Chun Feng Lin</i>
_____ ss. (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 _____, 2000.	
_____ Notary Public My Commission Expires: _____	

Assignor Name Chang-Lien Wu	Address No.2, Industry E.Rd., IX, Science-Based Industrial Park, Hsichu, Taiwan, R.O.C.
Where Signed	
Date MAR 27 2003	Signature <i>Chang-Lien Wu</i>
_____ ss. (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 _____, 2000.	
_____ Notary Public My Commission Expires: _____	

Assignor Name	Address
Where Signed	
Date	Signature
_____ ss. (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 _____, 2000.	
_____ Notary Public My Commission Expires: _____	

JOINT ASSIGNMENT - NOTARIZATION

RECORDED: 04/29/2003

PATENT
REEL: 014013 FRAME: 0790