FORM PTO-1595 REC	1/1 - 2007 U.S. DEPARTMENT OF COMMERCE			
(Rev. 10/02) U. 7-11L	U.S. Patent and Trademark Office			
OMB No. 0651-0027 (exp. 6/30/2005)	721388			
Name of conveying part(ies):	2. Name and address of receiving party(ies)			
(1) Ping-Ying WANG	Name: Realtek Semiconductor Corp.			
Additional name(s) of conveying party(ies) attached? ☐Yes ☒No	Street Address: No. 2, Industry E. Rd. IX Science-Based Industrial Park Hsinchu 300, Taiwan, R.O.C.			
3. Nature of conveyance:	Additional name(s) & address(es) attached? ☐ Yes ☒ No			
☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:				
Execution Date: February 4, 2004				
4. Application number(s) or patent number(s):	(500)			
If this document is being filed together with a new applic February 4, 2004	-			
A. Patent application No.(s)	B. Patent No.(s)			
Additional numbers attach	ned? ☐ Yes ⊠No			
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications/patents involved: [1]			
	7. Total fee (37 CFR 3.41) \$ 40.00			
Daniel R. McClure Thomas, Kayden, Horstemeyer & Risley, L.L.P. 100 Galleria Parkway, Suite 1750 Atlanta, Georgia 30339-5948	☐ Enclosed ☐ Authorization to charge credit card (attached)			
, •	Deposit Account Number:			
	20-0778			
	(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.				
Daniel R. McClure Dead (h) 4-7-04				
- Seen /	MA 4-7-04			
Typed Name Sig	gnature $\frac{4-7-0.9}{\text{Date}}$ r sheet, attachments, and document: [3]			

Mail Stop Assignment Recordation Services

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, Virginia 22313-1450

04/12/2004 MBIZUNES 00000029 10820500

02 FC:8021

40.00 DP

PATENT REEL: 015194 FRAME: 0498

Attorney	Reference	

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT Page 1 of 2

WHEREAS	WHEREAS Ping-Ying Wang				
hereinafter referre	d to collectively as the assignor, has invented a certain improvement				
relating to CLOCI	CONTRACTOR CIRCUIT USING PHASE MODULATION TECHNOLOGY AND METHOD				
THEREOF					
[imes] the inventor	's declaration for said application being executed concurrently with the execution of this				
instrument; said a	pplication to be filed in the United States Patent and Trademark Office;				
[] said applicat	on having been filed in the United States Patent and Trademark Office on ,				
authorization bein	g hereby given to my attorney, THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P. of 100				
GALLERIA PARK	WAY, N.W. SUITE 1500 ATLANTA, GEORGIA 30339-5948, to insert here in parentheses				
(Application Seria	No.) the application serial number of said application when known;				
[] said applica	tion having been filed under the Patent Cooperation Treaty on,				
Serial No	, the United States of America being designated.				
AND WILEDE	AS DEALTER CENTION DUCTOR CORP. of No. 2. Industry F. Dd. IV. Science Board Industrial				

AND WHEREAS REALTEK SEMICONDUCTOR CORP. of No.2, Industry E. Rd. IX, Science-Based Industrial Park, Hsinchu 300, Taiwan, R.O.C., hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

瑞昱編號 92A-001US || 三達編號 US1443PA

PATENT REEL: 015194 FRAME: 0499

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Page 2 of 2

ASSIGNOR:		WITNESS:	
Signature:	Ping-Ying Wang	Signature:	
Printed Name:	Ping-Ying Wang	Printed Name:	
Date:	February 4, 2004	Date:	

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P. 瑞昱編號 92A-001US || 三達編號 US1443PA

PATENT
RECORDED: 04/07/2004 REEL: 015194 FRAME: 0500