

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Chen-Yi LEE	10/01/2008
Ching-Che CHUNG	10/01/2008
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12256316
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Total Attachments: 1 source=ass035#page1.tif	

OP \$40.00 12256316

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Chien-yi Lee ; Ching-che Chung  
hereinafter referred to collectively as the assignor, has invented a certain improvement relating to

Digital Loop Filter for All-Digital Phase-Locked Loop Design

The inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;  
 said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, (Application Serial No. \_\_\_\_\_) the application serial number of said application when known;  
 said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, (Serial No. \_\_\_\_\_) the United States of America being designated.

AND WHEREAS National Chiao Tung University  
who's address is No.1001 University Road, Hsinchu, Taiwan 300, 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

Chien-yi Lee *Chien-yi Lee* October 1, 2008  
Name of sole or first inventor Signature Date

Ching-che Chung *ching-che chung* October 1, 2008  
Name of second inventor, if any Signature Date