

03-15-2007

U.S. PTO  
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02/01/2007

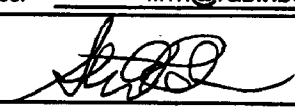
U.S. DEPARTMENT OF COMMERCE  
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RECORDATION FORM COVER SHEET  
PATENTS ONLY

103383190

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<b>1. Name of conveying party(ies):</b> Shin-Shiuan Cheng (11/17/2006) and Ju-Chun Wu (11/21/2006)  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies)</b> Name: <u>HIMAX TECHNOLOGIES LIMITED</u> Internal Address: _____ Street Address: _____  No.26, Zih Lian Road, Fonghua Village, Sinshih Township  City: <u>Tainan County</u> State: _____ Country: <u>Taiwan ROC</u> Zip: <u>74445</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____			
<b>4. Application or patent number(s):</b> <input checked="" type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>This application</u>  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		B. Patent No.(s)	
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Steven M. Rabin</u> <u>RABIN &amp; BERDO, PC</u>  Internal Address: <u>Atty. Dkt.: SUND-880</u> Street Address: <u>1101 14th St., NW</u> <u>Suite 500</u>  City: <u>Washington</u> State: <u>DC</u> Zip: <u>20005</u> Phone Number: <u>(202) 371-8976</u> Fax Number: <u>(202) 408-0924</u> Email Address: <u>firm@rabinberdo.com</u>		<b>6. Total number of applications and patents involved:</b> <span style="border: 1px solid black; padding: 2px;">1</span>	
		<b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$</b> <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
		<b>8. Payment Information</b> a. Credit Card Last 4 Numbers <u>4591</u> Expiration Date <u>08/31/07</u> b. Deposit Account Number _____ Authorized User Name _____	
<b>9. Signature:</b> <div style="text-align: center;">         _____        Signature     </div> <div style="text-align: right;"> <u>February 1, 2007</u>        Date     </div> <div style="text-align: center; margin-top: 10px;"> <u>Steven M. Rabin - 29,102</u>        Name of Person Signing     </div> <div style="text-align: right; margin-top: 10px;">       Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px;">3</span> </div>			

FEE ENCLOSED: \$ 40.00  
Please charge any further fee to our Deposit Account No. 18-0002

02/02/2007 YFULITE1 00000826 11700826  
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ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Page 1 of 2

WHEREAS Shin-Shiuan Cheng and Ju-Chun Wu

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to

METHOD OF CHANNEL ESTIMATION

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 \_\_\_\_\_,

authorization being hereby given to my attorneys, Steven M. Rabin and Robert H. Berdo, Jr. of RABIN & BERDO, P.C., 1101 14<sup>th</sup> Street, N.W., Suite 500, Washington, D.C. 20005., to insert here in parentheses (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 HIMAX TECHNOLOGIES LIMITED of No.26, Zih Lian Road, Fonghua Village, Sinshih Township Tainan County 74445, 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.

RABIN & BERDO, P.C., Washington, D.C.

奇景編號 HM-2005-0005-US || 三達編號 US2389PA

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Page 2 of 2

ASSIGNOR:

Signature:



Printed Name:

Shin-Shiuan Cheng

Date:

Nov. 17, 2006

ASSIGNOR:

Signature:



Printed Name:

Ju-Chun Wu

Date:

2006/11/21

WITNESS:

Signature:

\_\_\_\_\_

Printed Name:

\_\_\_\_\_

Date:

\_\_\_\_\_

RABIN & BERDO, P.C., Washington, D.C.

奇景編號 HM-2005-0005-US || 三達編號 US2389PA

RECORDED: 02/01/2007

PATENT  
REEL: 019039 FRAME: 0444