

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shih-Chieh Yen</td> <td>06/17/2010</td> </tr> <tr> <td>Yao-Chi Wang</td> <td>05/27/2010</td> </tr> <tr> <td>Ming-Yu Hsieh</td> <td>05/25/2010</td> </tr> </tbody> </table>		Name	Execution Date	Shih-Chieh Yen	06/17/2010	Yao-Chi Wang	05/27/2010	Ming-Yu Hsieh	05/25/2010
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Shih-Chieh Yen	06/17/2010								
Yao-Chi Wang	05/27/2010								
Ming-Yu Hsieh	05/25/2010								
RECEIVING PARTY DATA									
Name:	MStar Semiconductor, Inc.								
Street Address:	4F-1, No. 26, Tai-Yuan St., Chupei								
City:	Hsinchu Hsien								
State/Country:	TAIWAN								
Postal Code:	302								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12862346</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12862346				
Property Type	Number								
Application Number:	12862346								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	M027-0042US								
NAME OF SUBMITTER:	Lynne Mahan								
Total Attachments: 2 source=Nm0307#page1.tif source=Nm0307#page2.tif									

OP \$40.00 12862346

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number..... 12/862,346
Filing Date..... Aug. 24, 2010
Inventorship.....
Applicant..... MStar Semiconductor, Inc.
Attorney's Docket No. M027-0042US
Client Docket No. MST0420-US
Title:

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):
SHIH-CHIEH YEN; YAO-CHI WANG; MING-YU HSIEH

Assignee:
MStar Semiconductor, Inc.
4F-1, No. 26, Tai-Yuan Street
Chupei, Hsinchu Hsien, Taiwan 302
Republic of China

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled
"Bandwidth Control Apparatus for Phase Lock Loop and Method Thereof"
for which:

a provisional application for United States Letters Patent was filed on _____ and was given U.S. Serial No. _____ and/or
 a non-provisional application for United States Letters Patent was:
 filed on 08/24/2010 and was given U.S. Serial No. 12/862,346; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, PLLC, 601 W Riverside Ave, Suite 1400, Spokane, Washington 99201, who are associated with customer number 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, MStar Semiconductor, Inc. (hereinafter referred to as ASSIGNEE), a corporation of Taiwan, Republic of China having a place of business at 4F-1, No. 26, Tai-Yuan Street, Chupei, Hsinchu Hsien, Taiwan 302, Republic of China, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S)

had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

Full Name of 1st Inventor: SHIH-CHIEH YEN	
Inventor's Signature: <i>Shih-Chieh Yen</i>	Date: 06/17/2010
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Full Name of Joint Inventor: YAO-CHI WANG	
Inventor's Signature: <i>Yao-Chi Wang</i>	Date: 05/27/2010
Residence: Hsinchu Hsien	
Citizenship: Taiwan, R.O.C.	
Mailing Address: 4F-1, No. 26, Tai-Yuan Street, ChuPei, Hsinchu Hsien 302, Taiwan, R.O.C.	

Full Name of Joint Inventor: MING-YU HSIEH	
Inventor's Signature: <i>Ming-Yu Hsieh</i>	Date: 05/25/2010
Residence: Hsinchu Hsien	
Citizenship: Taiwan, R.O.C.	
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