

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>Jian-Yu Ding</td> <td>10/31/2012</td> </tr> <tr> <td>Shih-Chieh Yen</td> <td>10/29/2012</td> </tr> <tr> <td>Ming-Yu Hsieh</td> <td>10/30/2012</td> </tr> <tr> <td>Yao-Chi Wang</td> <td>10/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jian-Yu Ding	10/31/2012	Shih-Chieh Yen	10/29/2012	Ming-Yu Hsieh	10/30/2012	Yao-Chi Wang	10/31/2012
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RECEIVING PARTY DATA											
Name:	MStar Semiconductor, Inc.										
Street Address:	4F-1, No. 26, Tai-Yuan Street										
Internal Address:	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>13675264</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13675264						
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Application Number:	13675264										
CORRESPONDENCE DATA											
Fax Number:	3017624056										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	301-424-3640										
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Address Line 2:	Suite 400										
Address Line 4:	Rockville, MARYLAND 20850										
ATTORNEY DOCKET NUMBER:	0475.0051C (US8925PAMY)										
NAME OF SUBMITTER:	Lawrence D. Eisen										
Total Attachments: 2 source=ExecutedAssn#page1.tif source=ExecutedAssn#page2.tif											

OP \$40.00 13675264

ASSIGNMENT

For good and valuable consideration, I/WE, Jian-Yu Ding, Shih-Chieh Yen, Ming-Yu Hsieh and Yao-Chi Wang hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to **MStar Semiconductor, Inc.**, having its principal place of business at 4F-1, Number 26, Tai-Yuan St. Chupei, Hsinchu Hsien 302, Taiwan, R.O.C., hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

filed on _____ as US. Application Serial No. _____,

entitled: FREQUENCY MULTIPLIER AND ASSOCIATED METHOD

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE : Jian-Yu Ding DATE: 2012/10/31
Jian-Yu Ding

SIGNATURE : Shih-Chieh Yen DATE: 2012/10/29
Shih-Chieh Yen

SIGNATURE : Ming-Yu Hsieh DATE: 2012/10/30
Ming-Yu Hsieh

SIGNATURE : Yao-Chi Wang DATE: 2012/10/31
Yao-Chi Wang