

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ming-Yu Hsieh	11/03/2011
Shih-Chieh Yen	11/03/2011
RECEIVING PARTY DATA	
Name:	MStar Semiconductor, Inc.
Street Address:	4F-1, No. 26, Tai-Yuan Street
City:	ChuPei, Hsinchu Hsien
State/Country:	TAIWAN
Postal Code:	302
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13297195
CORRESPONDENCE DATA	
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Address Line 4:	Bothell, WASHINGTON 98041-2087
ATTORNEY DOCKET NUMBER:	MST1.0071US
NAME OF SUBMITTER:	Andy M. Han
Total Attachments: 5 source=MST1_0071US_Declaration_POA_Assignment#page1.tif source=MST1_0071US_Declaration_POA_Assignment#page2.tif source=MST1_0071US_Declaration_POA_Assignment#page3.tif source=MST1_0071US_Declaration_POA_Assignment#page4.tif source=MST1_0071US_Declaration_POA_Assignment#page5.tif	

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Attorney Docket Number: MST1.0071US
Client Docket Number: MST-0530-US
Sundial Ref. No. US7107PAMY

**PATENT APPLICATION
Declaration and Power of Attorney**

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PHASE-LOCKED LOOP

the specification of which is filed herewith unless the following box is checked:

was filed on _____ as US Application Serial No. _____
or PCT International Application Number and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION	DATE FILED	PRIORITY CLAIMED UNDER 35
TW	99139438	11/16/2010	YES: X NO:

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Date of Filing (month/day/ year)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) associated with Customer No.

Attorney Docket Number: MST1.0071US
Client Docket Number: MST-0530-US
Sundial Ref. No. US7107PAMY

13859

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to:

Han IP Law PLLC

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Bothell, WA 98041

Direct Telephone Calls To: (747) 333-8299

Attorney Docket Number: MST1.0071US
Client Docket Number: MST-0530-US
Sundial Ref. No. US7107PAMY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of 1st Inventor: Ming-Yu Hsieh	
Inventor's Signature: <i>Ming-Yu Hsieh</i>	Date: 11-03-2011
Residence: Hsinchu Hsien, Taiwan, R.O.C.	
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 2nd Inventor: Shih-Chieh Yen	
Inventor's Signature: <i>Shih-Chieh Yen</i>	Date: 2011/11/3
Residence: Hsinchu Hsien, Taiwan, R.O.C.	
Citizenship: Taiwan, R.O.C.	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number.....
Filing Date.....
Inventorship.....
Applicant..... MStar Semiconductor, Inc.
Attorney's Docket No. MST1.0071US
Client Docket No. MST-0530-US
Title: **"PHASE-LOCKED LOOP"**

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

1. Ming-Yu Hsieh
2. Shih-Chieh Yen

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

"PHASE-LOCKED LOOP"

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 _____ and was given U.S. Serial No. _____; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Han IP Law PLLC, P.O. Box 2087, Bothell, Washington 98041, who are associated with customer number 13859, 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: Ming-Yu Hsieh	
Inventor's Signature: <i>Ming-Yu Hsieh</i>	Date: 11-03-2011
Residence: Hsinchu Hsien, Taiwan, R.O.C.	
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Full Name of 2nd Inventor: Shih-Chieh Yen	
Inventor's Signature: <i>Shih-Chieh Yen</i>	Date: 2011/11/3
Residence: Hsinchu Hsien, Taiwan, R.O.C.	
Citizenship: Taiwan, R.O.C.	
Mailing Address: 4F-1, No. 26, Tai-Yuan Street, ChuPei, Hsinchu Hsien 302, Taiwan, R.O.C.	