

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>Ren Kuan Liang</td> <td>07/02/2010</td> </tr> <tr> <td>Yu-Chieh Hung</td> <td>07/07/2010</td> </tr> <tr> <td>Meng-Che Tsai</td> <td>07/05/2010</td> </tr> </tbody> </table>		Name	Execution Date	Ren Kuan Liang	07/02/2010	Yu-Chieh Hung	07/07/2010	Meng-Che Tsai	07/05/2010
Name	Execution Date								
Ren Kuan Liang	07/02/2010								
Yu-Chieh Hung	07/07/2010								
Meng-Che Tsai	07/05/2010								
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>12844953</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12844953				
Property Type	Number								
Application Number:	12844953								
CORRESPONDENCE DATA									
Fax Number:	(509)944-4692								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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NAME OF SUBMITTER:	Lynne Mahan								
Total Attachments: 2 source=NB0389#page1.tif source=NB0389#page2.tif									

OP \$40.00 12844953

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number.....12/844,953
Filing Date.....July 28, 2010
Inventorship.....
Applicant..... MStar Semiconductor, Inc.
Attorney's Docket No. MST0421-US
Client Docket No.
Title:

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):
1. Liang, Ren Kuan
2. Hung, Yu-Chieh
3. Meng Che Tsai

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

" Image Detecting Apparatus and Method Thereof "

for which:
 a provisional application for United States Letters Patent was filed on
JULY 29, 2009 and was given U.S. Serial No. 61/229,277 and/or

a non-provisional application for United States Letters Patent was:
 filed on 7/28/2010 and was given U.S. Serial No. 12/844,953; 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: Liang, Ren Kuan	
Inventor's Signature: <i>Liang, Ren Kuan</i>	Date: <i>July 02, 2010</i>
Residence: Hsinchu Hsien	
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Mailing Address: 4F-1, No. 26, Tai-Yuan Street, ChuPei, Hsinchu Hsien 302, Taiwan, R.O.C.	

Full Name of Joint Inventor: Hung, Yu-Chieh	
Inventor's Signature: <i>Hung, Yu-Chieh</i>	Date: <i>07/07/2010</i>
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: Meng Che Tsai	
Inventor's Signature: <i>Tsai, Meng che</i>	Date: <i>7/5/2010</i>
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.	